19981230.qrp v01_n321.qrl.981230

Date: Wed, 30 Dec 1998 19:05:23 EST
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1321

QRP-L Digest 1321

Topics covered in this issue include:

  1) [28331] To Fox or not to Fox...
     by "Wilford D. Lindsey" <70511.3041@compuserve.com>
  2) [28332] Fw: [kids] Kid's day coming up
     by "Robert Roach" <KE4QOK@worldnet.att.net>
  3) [28333] Observations on St.Louis Vert.
     by ka7you@juno.com
  4) [28334] Fw: Novelty QRPp Contest - Club stations
     by applitech@mcg.net (Claton Cadmus)
  5) [28335] Re: QRP Quarterly - January issue contents
     by K2UD@aol.com
  6) [28336] FOX
     by Wayne Alexander <walexan@ipa.net>
  7) [28337] [FOX] 12/23/98 0100Z - 0259Z
     by Hank Kohl K8DD <k8dd@contesting.com>
  8) [28338] re:QRPp with Icom 746?
     by "Bernard F. Gaffney, Jr." <n8pvz@acd.net>
  9) [28339] Fox nabbed at 0214Z....
     by Fred Lesnick <flesnick@tbaytel.net>
 10) [28340] FOX: bagged at 0257
     by Tom Palmer <n1tp@worldnet.att.net>
 11) [28341] Re: Fox nabbed at 0214Z....
     by Bruce Rattray <rattray@gpfn.sk.ca>
 12) [28342] How to get the QRP Quarterly
     by "George Heron" <gheron@idt.net>
 13) [28343] Re: THOUGHTS ABOUT LEARNING CODE
     by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
 14) [28344] Re: FOX: bagged at 0257
     by "Marshall Emm" <mgemm@mtechnologies.com>
 15) [28345] Re: FOX: bagged at 0257
     by "Marshall Emm" <mgemm@mtechnologies.com>
 16) [28346] Tks for FOX pelt!!
     by "Wilford D. Lindsey" <70511.3041@compuserve.com>
 17) [28347] 1999 QRP-L Heathkit Hot Water Sprint (HHWS)   ANNOUNCEMENT
     by pmk@juno.com (Patrick M Kvitkauskas)
 18) [28348] Solar Alert in Effect 12-29
     by Paul Harden <pharden@aoc.nrao.edu>
 19) [28349] Fox Comments

    by Floyd Soo <hires@rust.net>
20) [28350] Fox
    by w2xn@juno.com (Fred J Kalt)
21) [28351] FOX: Team scores (fwd)
    by Bruce Rattray <rattray@gpfn.sk.ca>
22) [28352] Ooops Band change 1999 QRP-L Heathkit Hot Water Sprint
    (HHWS)   ANNOUNCEMENT
    by pmk@juno.com (Patrick M Kvitkauskas)
23) [28353] Novelty QRP Test
    by Mike Boatright <ko4wx@mindspring.com>
24) [28354] Freq-mite into OHR-500
    by "Toru Kato JG1RVN" <jg1rvn@inv.co.jp>
25) [28355] FOX: Team scores (fwd)
    by Bruce Rattray <rattray@gpfn.sk.ca>
26) [28356] N3EPA Novelty QRPp Contest
    by "Ron Polityka" <wb3aal@talon.net>
27) [28357] Fox Comments
    by "Wilford D. Lindsey" <70511.3041@compuserve.com>
28) [28358] Working 10M grey line DX
    by Paul Harden <pharden@aoc.nrao.edu>
29) [28359] Fox a bust. QRPp test:9 QSO's
    by we6w@juno.com (Ed Loranger)
30) [28360] Re: [Strange Tuner Occurrance during Test last night]
    by Mike Dooley <msdooley@netscape.net>
31) [28361] Novelty QRP Contest
    by "Mitch Dickson" <mitch@volstate.net>
32) [28362] HW-8 Power connector
    by ka7you@juno.com
33) [28363] The Loop is UP!
    by "Mitch Dickson" <mitch@volstate.net>
34) [28364] Fox? I got skunked !
    by "Radman" <radman@best.com>
35) [28365] Re: Fox? I got skunked !
    by we6w@juno.com (Ed Loranger)
36) [28366] Novelty QRPp Contest - AL7FS
    by Jim Larsen AL7FS <larsennc@alaska.net>
37) [28367] The end of 1998
    by "Eim Mulder" <mulder@server4.nfra.nl>
38) [28368] FOX: Where???
    by k5zty@juno.com
39) [28369] Pixie Contest -- no luck again last night
    by "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
40) [28370] Re: FOX: Where???
    by Tom Palmer <n1tp@worldnet.att.net>
41) [28371] Re: Fox? I got skunked !
    by Tom Palmer <n1tp@worldnet.att.net>
42) [28372] Novelty contest results
    by Jim <kj5tf@madisoncounty.net>

43) [28373] Novelty QRP Test
    by Mike Boatright <ko4wx@mindspring.com>
44) [28374] Re: Aluminum primer?
    by kkanalz@optelinc.com
45) [28375] Novelty QRP Contest - Night 2
    by Sam Billingsley <SBillingsley@usaninc.com>
46) [28376] Re: Novelty contest results
    by elawson@lr.net (Ed Lawson)
47) [28377] Novelty QRP Event
    by Charles Kadesch <chas@digizen.net>
48) [28378] FOX: Team scores (fwd)
    by Bruce Rattray <rattray@gpfn.sk.ca>
49) [28379] KENWOOD TR-7400A
    by Brad Bradfield <b_bradfield@yahoo.com>
50) [28380] WWV
    by vlantz@juno.com (Vann G Lantz)
51) [28381] Why is NorCal QRP so Great? (formerly Where is fall QRPp?)
    by "James R. Duffey" <jamesd1@flash.net>
52) [28382] Re: Novelty QRPp Contest - AL7FS
    by we6w@juno.com (Ed Loranger)
53) [28383] Re: Fox? I got skunked !
    by Vic Rosenthal <rakefet@rakefet.com>
54) [28384] 10M DX
    by Zack Lau <zlau@arrl.org>
55) [28385] Thanks Friends and Happy New Year.
    by we6w@juno.com (Ed Loranger)
56) [28386] Re: Aluminum primer?
    by dfirlik@juno.com
57) [28387] Re: Dual Gate MOSFET Question
    by "Brad Hernlem" <alihernlem@hotmail.com>
58) [28388] Re: WWV
    by "K1OJ" <k1oj@swbell.net>
59) [28389] Re: More about the 30m BCI
    by kkanalz@optelinc.com
60) [28390] coopers
    by bkobie@webtv.net (patrick obrien)
61) [28391] Re: Working 10M grey line DX
    by "Bruce Prior" <n7rr@hotmail.com>
62) [28392] AR net sked
    by Robsparks@aol.com
63) [28393] Re: WWV
    by mwattcpa@earthlink.net (Marty Watt)
64) [28394] Re: Novelty QRPp Contest - AL7FS
    by Jim Larsen AL7FS <larsennc@alaska.net>
65) [28395] First QSO.
    by we6w@juno.com (Ed Loranger)
66) [28396] 1A0KM FYI QSL INFO
    by johnmc@arl.com

67) [28397] Fox Hunt... what a mess
    by hamjoel@juno.com
68) [28398] WTB:OHR DD-1 display
    by "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
69) [28399] Re: Novelty QRPp Contest - AL7FS
    by Joe Gervais <vole@primenet.com>
70) [28400] Novelty QRP Contest - W5VBO - Night 2
    by Brian Kassel <bkassel@dancris.com>
71) [28401] Re; Zinc Air Batteries
    by George Gingell <k3tks@u1.abs.net>
72) [28402] MFJ 418 Morse Tutor (Article by Chuck Adams)
    by KF4EIB@aol.com
73) [28403] Re: Novelty QRPp Contest - AL7FS
    by Ron Stark <ku7y@dri.edu>
74) [28404] Novelty QRPp Contest, Day 2 - NQ7RP
    by Joe Gervais <vole@primenet.com>
75) [28405] Re: Novelty QRPp Contest - AL7FS
    by Joe Gervais <vole@primenet.com>
76) [28406] Re: Novelty QRPp Contest - KU7Y at 35 mw
    by Jim Larsen AL7FS <larsennc@alaska.net>
77) [28407] Re: Operate RTTY with your Sierra
    by =?ISO-8859-1?Q?"KB=D8VCC"?= <kb0vcc@rocketmail.com>
78) [28408] Re: Aluminum primer?
    by "Jim Marciniak" <n1rui@together.net>
79) [28409] 28 Mhz beacons
    by n4so@juno.com (charles k brown)
80) [28410] Novelty QRPp Contest
    by kq0i@juno.com (Mark R Milburn)
81) [28411] Re: Elmer101 mystery of reflected power con't...
    by W6RCecilA <w6rca@ibm.net>
82) [28412] First QSO.
    by "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
83) [28413] Re: First QSO.
    by "George T. Baker" <w5yr@swbell.net>
84) [28414] First QSO
    by w2xn@juno.com (Fred J Kalt)
85) [28415] Antenna Instruction Book
    by w2xn@juno.com (Fred J Kalt)
86) [28416] Re: Elmer101 mystery of reflected power con't...
    by "Mitch Dickson" <mitch@volstate.net>
87) [28417] Re: First QSO.
    by Ron Stark <ku7y@dri.edu>
88) [28418] QSO with AL7FS
    by "Ron Polityka" <wb3aal@talon.net>
89) [28419] MIZUHO QRP Handy
    by "AUGUSTO YIPMANTIN " <lito@rpp.com.pe>
90) [28420] Re: First QSO.
    by "Frank Grigaliunas" <fgrig@iea.com>

 91) [28421] RIT Kit- Ready to Roll
     by Bensondj@aol.com
 92) [28422] RE: Elmer101 mystery of reflected power con't...
     by Sam Billingsley <SBillingsley@usaninc.com>
 93) [28423] Re: FYBO: Winter Field Day Stocking Stuffer Ideas
     by mwattcpa@earthlink.net (Marty Watt)
 94) [28424] FS: Millen 92200 KW Transmatch
     by "Ed Tanton" <n4xy@mindspring.com>
 95) [28425] Ten Meters is HOT!!!
     by wb2vuo@juno.com (W. K. Hibbert)
 96) [28426] Re: Elmer101 mystery of reflected power con't...
     by Arjen Raateland <Arjen.Raateland@vyh.fi>
 97) [28427] Norcal Paddle Kit
     by Bruce Muscolino <w6toy@erols.com>
 98) [28428] re:40-40
     by ntan <ntan@crosslink.net>
 99) [28429] Aligning a shortwave radio via the Internet
     by "Todd Foster, KD5FUF" <tef96a@timon.acu.edu>
100) [28430] Pixie2 HOMERUN! Pixie users must read!
     by we6w@juno.com (Ed Loranger)

Date: Tue, 29 Dec 1998 18:55:37 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:rwc@frii.com" <rwc@frii.com>, //QRP-L Discussion Group <QRP-
L@Lehigh.edu>, "+Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [28331] To Fox or not to Fox...
Message-ID: <199812291858_MC2-64FA-2728@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Rod:

Well the most important thing is to decide to get into action--and then
"just do it". But are some helpful hints, as I see Ed WE6W has already
noted.

1. NEVER...NEVER....NEVER...call the FOX exactly on his transmit
frequency. This is an absolute No-No! Instead, call him/her maybe
300-400 hz high or low. EG, this is like working DX split (but we are
very close in frequency in FOXing).

2. As Ed WE6W suggested....try to zerobeat the last successful hunter.
You can do this by zerobeating the successful hound during the QSO, and

calling immediately after the contact ends. The theory is that the FOX probably hasn't had time or reason to change freuency. So if you are there....he may very wll simply get you. BTW don't tune up at full power on the last guy's frequency.

Of course...the dirty little secret is that *all* the experienced FOX hunters are already doing this. So I make it a practice to be perhaps 50-75hz *different* in frequency from the last guy. This again goes to differentiate my signal from all those who are *exactly* zerobeat.

3. Give your call once or at most twice. Sometimes guys/gals get carried away and start simply firing off their calls. This makes it a mess for everyone. Be selective about when you shoot!

When *I* was FOX last Thursday, I was always able to pick up a call after hearing it sent only once. Amazing but true. So I was sometimes through my exchange while some people were still giving their calls :-).

4. NEVER.....NEVER.....NEVER...call the FOX (under any conditions!) unless you yourself heard him sign. Don't just "yelp" along with the other hunters in the FOX pack. It is obvious when someone is doing this because others hear the FOX having a QSO....while some folks are having some imaginary conversation!!!

5. For practice or to warm up....try turning your receive volume absolutely as low as you can. Just turn the AF down to almost inaudible levels. By doing this you will tune your ears for the occasional very weak signals of the fOX.

Could say more. These are just my $.02 worth. Good luck. Get in there and give it a try. You* will* like it, guaranteed!

72/73,
--Doc Lindsey/K0EVZ
DSBF
P.O. Box 7187
Bismarck, ND 58507
E-Mail 70511.3041@compuserve.com

Date: Tue, 29 Dec 98 20:00:26 PST
From: "Robert Roach" <KE4QOK@worldnet.att.net>
To: "Diane KE4LUE" <ke4lue@juno.com>, "KK4R" <kk4r002@aol.com>, "Knightlites" <klqrp@waterw.com>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [28332] Fw: [kids] Kid's day coming up

Message-ID: <MAPI.Id.0016.004534514f4b2020303030363030303036@MAPI.to.RFC822>
MIME-Version: 1.0
Content-Type: text/plain; charset="ISO-8859-1"; X-MAPIextension=".TXT"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

Here is something for those of you who have kids that are interested in =
radio or that you would like to get interested in radio.

73
KE4QOK
Bob

> Date: Tuesday, December 08, 1998 10:39:44
> From: owner-kids@contesting.com
> To: Kids Contesting List
> Subject: [kids] Kid's day coming up
>
>
>
>
> There is one coming soon - see January QST for more info, or here
> are the rules. Also, I really need someone to take over doing the
> tasks #1 and #3. I haven't been able to do these myself on a timely
> basis.
>
> 1. Generation of a spread sheet showing who all was on (this
> requires looking at the posts and some of the logs). We need
> to verify as much information as possible, using at least two
> log entries to validate names.
>
> 2. Certification printing is currently being done by K9IG (is this
> still true Greg?).
>
> 3. Stuffing envelopes and mailing certificates.
>
> Tree (rules follow)
>
>   Kid's Day Operating Event
>   Sponsored by the Boring Amateur Radio Club
>
> 1. Purpose: The Kid's Day Operating Event is intended to encourage
>   activity by younger people (licensed or not) using Amateur Radio.
>   The goal is give unlicensed young people some hands-on experience
>   on-the-air, so they might develop an interest in pursuing a license
>   in the future. It is also intended to give hams a chance to share
>   their station with their children.

>
> 2. Dates: 2 January 1999.
>
> 3. Time: 1800Z to 2400Z. No limit on operating time.
>
> 4. Suggested exchange: Name, age, location and favorite color. You
>   are encouraged to work the same station again if either operator
>   has changed. Call "CQ KIDS DAY".
>
> 5. Suggested Frequencies: 28350 to 28400 kHz and 14270 to 14300 kHz.
>   Be sure to observe third party traffic restrictions when making DX
>   QSOs.
>
> 6. Reporting: Logs, comments and funny stories may be posted via the
>   internet to kids@contesting.com. You may review these postings by
>   visiting http://www.contesting.com/kids/ with your web browser.
>
> 7. Awards: All verified participants will receive a colorful certificat=
e.
>   Send SASE to BARC; PO Box 1357; Boring, OR 97009.
>
> 8. More details may be obtained from the Boring Amateur Radio Club
>   at the above address or at http://www.jzap.com/k7rat/.
>
>
> --
> FAQ on WWW: http://www.contesting.com/kidsfaq.html
> Submissions: kids@contesting.com
> Administrative requests: kids-REQUEST@contesting.com
> Problems: owner-kids@contesting.com
>

Date: Tue, 29 Dec 1998 20:11:24 EST
From: ka7you@juno.com
To: QRP-L@LeHigh.EDU
Cc: KA7YOU@aol.com
Subject: [28333] Observations on St.Louis Vert.
Message-ID: <19981229.172714.6335.5.ka7you@juno.com>

Well, I had an 'interesting' experience at the rented beach house the
last few days. I was at Copalis Beach, which I a few miles north of
Ocean Shores, on the Washington Coast. We were not much more than 200
yards from the surf, at high tide.
   I'd never been there, but understood there was no support for an

antenna, so I took the St. Louis Vertical.
It is my favorite portable antenna, when no natural supports are anticipated.

My particular incarnation uses the W6MMA 80M coil as a base loaded coil, and I mount the base coil to a few feet of PVC pipe (it also doubles as a container for the collapsed fishing pole) to get it up in the air a bit. I use a plastic triangle with a hole for the mast and three smaller holes as a guy point. It slips down over the mast to the first 'bulge' of the pole; that is just a couple of feet or so above the top of the coil. I have three nylon guy lines attached there, and tie them off to old aluminum arrow shafts, which I use for guy rope stakes.

The ribbon cable radials are just allowed to lie wherever they will stay, or in some cases I just tie the ends to a clump of grass.

This weekend, I had a lot of trouble keeping the antenna tuned. When I took it down this morning, the M6MMA coil was full of water! The 4 foot PVC support pipe was full of water, and the fibreglass mast had several sections which were also full of water, and one section near the top had decided to 'telescope' into its lower neighbor. The whole thing must have weighed 20 pounds when I tipped it over. Water ran out everywhere.

Now I know this is a field antenna, but I had not counted on it being also used as a water collection device. The worst part, is that the bottom of the W6MMA coil has the BNC RF connector, and the radial wire connection just a half inch apart, a bit close when operated underwater. I know the 3 watts of RF is a real blow torch, but water cooling is not needed.

The wind this weekend was blowing very hard and occasionally a bit harder. The rain was horizontal, well, a bit of an exageration, maybe, but not much. And when it stopped raining, the mist from tops of the waves was blowing horizontal, right toward my antenna. OK, so it was salt water cooled, besides!

Except for the one pole section which telescoped down, the assembly withstood the wind storm vey well. It was just the water which caused the problems. It is much better suited to a drier expedition.

Even so, I managed to make a few contacts using the Emtech NW-30, and an old OHR 40M rig. I also built my SW-30 kit, without any help from my extensive Elmer 100 files which were safe on the hard drive at home, without the relevant QRPp edition which was safely left by the door at home (so I would not forget it), and without the help of my magnifying glasses which were safe on my workbench. Thank you my son, for your good eyes.

I made my share of dumb mistakes, and found most of them as I looked for a part which I should have remaining in the kit, but which seemed to have found it's way to a wrong location on the board.

Now I need to apply power, and try my hand at the infamous "smoke test".

7 3 until next time

Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.
160M thru 1296 MHz-higher bands pending
ARCI-QRP #7251   QRP-L #844   NWQRP #120   and others

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 29 Dec 1998 19:05:50 -0600
From: applitech@mcg.net (Claton Cadmus)
To: "QRP-l" <qrp-l@lehigh.edu>
Subject: [28334] Fw: Novelty QRPp Contest - Club stations
Message-ID: <00c601be3393$cbf51c00$a10a5e2c@groucho>

-----Original Message-----
From: Bob Kellogg <ae4ic@nr.infi.net>
To: Claton Cadmus <cla@mcg.net>
Date: Tuesday, December 29, 1998 16:18 PM
Subject: Re: Novelty QRPp Contest - Club stations

>Gang,
>
>Look for WQ0RP Tuesday and Wednesday nights. Clayton Cadmus will try to
>put it on the air from Mn.
>
>As some have commented, this is a rough contest. The winners will be the
>highest of a lot of low scores, so hang in there. We have club stations
>handing out 10X multipliers all across the USA, so the club station
>contacts may determine the winner.
>
>I had fun last night!
>
>CUL,
>Bob Kellogg, AE4IC, Greensboro, NC
>Prolably, but not nececelery. -- Benny Hill
>

Date: Tue, 29 Dec 1998 20:41:13 EST

From: K2UD@aol.com
To: qrp-l@Lehigh.EDU
Subject: [28335] Re: QRP Quarterly - January issue contents
Message-ID: <5df34226.368984b9@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Hey George,

Is that all there is in the Jan issue? Heh, heh. Sounds like a barn buster.
I think I'll enjoy the acoustic enclosure article. My wife gave me tea tin
that looks like it could be tailored into an enclosure for CW use, the article
should give me ideas.

Can you make the Quarterly smaller? It takes so long to read (oh whine, wail,
knash teeth..72,

Howard Kraus, K2UD

Date: Tue, 29 Dec 1998 20:24:40 -0600
From: Wayne Alexander <walexan@ipa.net>
To: qrp-l@lehigh.edu
Subject: [28336] FOX
Message-ID: <199812300226.UAA19930@ns3.ipa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

I got the FOX with the McElroy Straight Key. Got to get ready for Straight
Key Night. Boy That was Fun.
73,
N=D8EA
Wayne
FISTS # 4907
QRP-L # 1058
Web Page http://www.qsl.net/n0ea

Date: Tue, 29 Dec 1998 21:25:50 -0500
From: Hank Kohl K8DD <k8dd@contesting.com>
To: qrp-l@lehigh.edu
Subject: [28337] [FOX] 12/23/98 0100Z - 0259Z

Message-ID: <4.1.19981229211443.01810f10@192.0.0.1>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

[Not sure how the tabs will format for everyone, but here is the WQ8RP Fox log for December 23 GMT/UTC.]

Fox: WQ8RP
Op: Stan, AC8W
QRP-L #906
Rig: Icom 735, with QRP Controller = 5w out to HF6V vertical

Conditions were not so hot here with a lot of QRM and QSB. Lost at least one QSO, and heard many other callers in the pile that never got in the log. Enjoyed putting the club call on the air and appreciate all who made the effort. Hope to do it again! 72/73 de Stan, AC8W

Time	Call	RST(r)	S/P/C		RST(s)	Name	Num
0100	N4ROA	559	VA	559	Dan	970	
0103	NA1XX	579	MA	569	Mike	1588	
0103	N8CQA	599	MI	599	Buck	41	
0104	KU7Y	599	NV	569	Ron	17	
0106	KK5LD	599	TX	599		Dan	5w
0107	K5UP	579	OK	569		Glen	21
0109	W5HNS	559	TX	579		Henry	178
0111	K5ZTY	579	TX	579	Bill	473	
0111	K0EA	599	MO	599		Wayne	1058
0112	AB5UA	559	OK	579		Clif	478
0113	KF2PH	559	NY	589		Nick	13
0114	KB8WMW	599	MI	599		Bob	4w
0115	KG4ADU	559	GA	569		Chuck	1785
0117	K0EVZ	589	ND	599		Doc	861
0119	W5YR	569	TX	569		Geo	1373
0121	NQ7X	559	AZ	559		Floyd	343
0125	KA4BMK	569	FL	569		Jim	5w
0129	VE5RC	339	SK	569		Bruce	886
0130	KG2LO	559	NJ	569		Roland	1445
0132	W5JAY	599	AR	579		Jay	1201
0133	N0AR	559	MN	579		Scott	1455
0134	N3YSI	569	PA	569		Paul	3w
0135	W0CH	559	MO	579	Dave	618	
0136	N1FN	559	CO	569	Marshal	153	
0137	N5ON	569	NM	559		Gary	770
0138	AJ4Y	569	FL	569		Paul	1795
0140	K4JPN	559	GA	559		Steve	1809
0142	AK7Y	559	AZ	559		Greg	1693
0144	KF4KSM	559	FL	559		Mac	704

```
0145 W2UX 559  SC   559       Gary 593
0147 AA5TA     559  TX   559       Larry    1245
0148 AI4CW     349  AL   559       Don  1670
0150 K0EU 559  CO   559  Ed   4w
0151 K2VT 559  NJ   569       Randy    1805
0152 K1MG 549  CA   559       Mike 614
0154 N1TP 559  FL   559       Tom  1317
0156 KQ5U 559  TX   559       Terry    1603
0158 K5LN 449  TX   559       Bill 1794
0201 N7MFB     559  WA   559       Bill 715
0203 AB0GO     229  WA   449  Dave 785
0207 K2VCO     569  CA   449       Vic  525
0208 N5JI 559  TX   549       Dick 1054
0209 WE6W 449  CA   449       Ed   1067
0211 W0RSP     579  SD   579       Ade  661
0213 K1OJ 559  TX   579       OJ   732
0214 N2WF 599  NJ   579       Bill 935
0215 K2SJB     559  NY   569       Dave 757
0217 W3PNL     559  PA   559       Joe  5w
0219 AB5WX     549  TX   549       Dave 1717
0222 KD5CMN    449  TX   449       Mike 1328
0225 N6MM 559  CA   549       Harvey   5w
0226 KI7MN     449  AZ   559       Bob  271
0228 K4BYF     559  FL   559       Jack 1782
0231 K1CL 339  MA   339       Chuck    217
0232 VE2KN     449  QC   559       Jim  103
0233 KA3WMJ    589  PA   579       Ken  355
0239 VE6EWM    449  AB   339       Earl 1076
0243 N0UR 579  MN   559       Jim  799
0245 N1GJU     569  MA   559       Rich 50w
0247 NF0R 559  MO   569       Dave 33
0249 K1XS 559  CT   559       Ken  494
0254 WA1SCH    559  MA   569       Bob  50w
0256 N5LU 559  OK   569       Bill 5w
0258 N2LO 559  NJ   559       Bob  1719
0259 W2PFS     449  NY   449       Hal  5w
```


```
*/     Hank Kohl  K8DD      k8dd@contesting.com
*/     ARRL TS              http://www.tir.com/~k8dd
*/     MI-QRP - Vice Pres.  QRP-ARCI - Director
*/     G-QRP    ARRL/LM     QCWA/LM    QCAO/LM
```

Date: Tue, 29 Dec 1998 21:49:42 -0500

From: "Bernard F. Gaffney, Jr." <n8pvz@acd.net>
To: rwc@frii.com
Cc: qrp-l@lehigh.edu
Subject: [28338] re:QRPp with Icom 746?
Message-ID: <3.0.32.19981229214933.0068aa4c@pop3.acd.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Try emailing Icom at 75540.525@compuserve.com(got this address off their WEB page). They probably can provide info on this. I had an Icom 728(HF) at one time and currently have an IC-820H(VHF/UHF). Both can be run at low QRP levels via use of the ALC jack and an outboard circuit that applies 0 to -4v(at least 0 to -4v is for the 820H) to the ALC. The circuit is a resistor in series with a pot and a 9v battery. Resistance values depend on your rig, and I don't have info for the 746(if you want, I'll snail mail you copies of what I have, and you can experiment. As long as you keep ALC voltage under your rig's stated max you probably should be ok. Send me your snail address if you want the info.). Power can be adjusted from 0 to max this way, leaving RF power control at max, and adjusting the ALC for desired power out.

Also, you can - GASP - check your rig's manual, there's probably a Low Power Set pot internal to the rig. Adjusting this should let you lower the minimum power out(set the RF power control to minimum before making the adjustment) without affecting max power out. Use your watt meter to monitor power out while you make the adjustments via brief CW keying.

Hope this helps. Seems simpler than the attenuator you were thinking of - only requires a resistor, a pot, a 9v batt, a little wire, a plug to connect to the ALC jack, and a box to put the "works" into.

72 de N8PVZ

      ---bernie

Bernard F. Gaffney, Jr. N8PVZ
MI-QRP# M-1152 QRP-ARCI# 9446
n8pvz@acd.net
QRPers do more with less.

Date: Tue, 29 Dec 1998 21:55:11 -0500
From: Fred Lesnick <flesnick@tbaytel.net>
To: njqrp <njqrp@njqrp.org>, "qrp-canada@lists.gpfn.sk.ca" <qrp-canada@lists.gpfn.sk.ca>, qrp-l <qrp-l@Lehigh.EDU>
Subject: [28339] Fox nabbed at 0214Z....
Message-ID: <3689960F.10940D46@tbaytel.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well worked Floyd, and what a signal.He is bouncing around from 559-599.Then again not much between nus but water,hi hi....Time to do the Happy Dance again...
73 Fred VE3FAL
VA3SBB 28.241 mHz QRP Beacon....

Date: Tue, 29 Dec 1998 22:15:17 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: QRP-L <qrp-l@Lehigh.EDU>
Subject: [28340] FOX: bagged at 0257
Message-ID: <36899AC4.6C5B61F5@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Was scanning back and forth close around 7.040 and didn't hear the FOX or any hounds from 0200 until 0255. Was getting concerned I couldn't hear Michigan. Widened search area and clearly heard "QRZ Fox". XIT was already off-set so I dropped my call sign. Floyd came right back. Bottom line: took 57 minutes to locate the Fox and one call to bag him!   Every hunt is a unique experience ... It's one of the things that makes this game so much fun.   Tom, N1TP, Naples, Florida.

Date: Tue, 29 Dec 1998 21:18:47 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: Fred Lesnick <flesnick@tbaytel.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [28341] Re: Fox nabbed at 0214Z....
Message-ID: <Pine.LNX.3.95.981229211733.7760A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

CONGRATS on another happy dance Fred!....didn't think I was going to get
him because of his "minus" signal....but his signal started to "pop" up
and down with the qsb and I got lucky at 0307Z....go northern Lights!!

...72/73 - Bruce (VE5RC+VE5QRP) QRP-C#1 QRP-L#886 ARCI#9683 Zombie#272
           A-1 Operator Club   "QRP! How sweet it is!"

On Tue, 29 Dec 1998, Fred Lesnick wrote:

> Well worked Floyd, and what a signal.He is bouncing around from
> 559-599.Then again not much between nus but water,hi hi....Time to do
> the Happy Dance again...
> 73 Fred VE3FAL
> VA3SBB 28.241 mHz QRP Beacon....
>

Date: Tue, 29 Dec 1998 22:24:50 -0500
From: "George Heron" <gheron@idt.net>
To: "QRP-L" <qrp-l@Lehigh.EDU>
Subject: [28342] How to get the QRP Quarterly
Message-ID: <029601be33a3$f88bf440$763984a9@herong.dialogic.com>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I've been receiving a bunch of requests regarding how to sign up to get the
QRP Quarterly ...

The way you get QQ is by joining the QRP ARCI club. You can
do this most easily at its websiite: http://www.qrparci.org/. If you don't
have web access, just drop an email to Dave Johnson, WA4NID, the membership
chairman, and he'll be happy to help you out directly. His email address
is: wa4nid@amsat.org

73, George N2APB

Date: Tue, 29 Dec 1998 23:03:36 -0500 (EST)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>

To: Barry J Minsky <w2bj@juno.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [28343] Re: THOUGHTS ABOUT LEARNING CODE
Message-ID: <Pine.LNX.3.95.981229230227.29861C-100000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

P.S.

If you miss half a word, it's not the end of the world. If you're copying an entire sentence, that word "SOUSE" will probably resolve ITSELF to HOUSE once you've copied the next word.

Scott Rosenfeld ARS NF3I soon to be N7??
541-346-7401 Eugene, OR Land o' much rain
If you find me on the air, I'm probably in my car
ham@w3eax.umd.edu http://w3eax.umd.edu/~ham

On Tue, 29 Dec 1998, Barry J Minsky wrote:

> Recently, I have read several postings about how to learn code and how to
> increase code speed. I have been a ham for a long time, since 1955. I
> have been a lover of CW and enjoy its "music." But the problems I have
> always faced have been increasing speed and copying "in my head." I have
> used tapes, computer programs and my MFJ Tutor. They help some but not
> enough to really make a difference. I have had some extra time off
> during the holidays, time when I have been free but my wife has been
> working. I decided to spend several hours following the advice I have
> heard from others. First of all, I have worked on copying in my head by
> simply refusing to write down anything except essentials in my log (call,
> name, QTH, etc.) Secondly, I have tried to send and receive just beyond
> my comfort level. Wow! It is really working. O yes; I miss a word here
> and there. But I am getting almost everything. My speed is slowly
> increasing. I have appreciated the input of many on the list. The
> advice I have received from others has helped. I guess the natural way
> is the best way. We learn code best by using it. I hope my experience
> can be an encouragement to others who want to their code skills.
> 72/73,
> Barry J. Minsky, W2BJ
> ARRL, QRP ARCI #8871, NorCal #1560, QRP-L #1543, FISTS #2701, Century
> Club #569, FISTS CW Club of Coastal Georgia, Knightlites, Adventure
> Radio Society #359,
> Six Club #151, QCWA #29298, OOTC #3723
> Amateur Radio Missionary Service
>

Date: Tue, 29 Dec 1998 20:45:48 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: n1tp@worldnet.att.net, qrp-l@lehigh.edu
Subject: [28344] Re: FOX: bagged at 0257
Message-ID: <199812300346.UAA29138@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Hi, Tom, Gang--

>>Bottom
line: took 57 minutes to locate the Fox and one call to bag him! <<

I was a bit concerned that I didn't hear anything till 0725, and I think I got him on the first try too. It was really odd-- fair signal from him but he musta had some trouble hearing me. Very odd FOX qso, actually-- he got my call correct and sent it twice with a ? So I sent my exchange and he just vanished. Then he came back after about a minute (I was ready to start searching again) and called me, and he was a solid S8 then, asking me to QSY up, which I did and heard him calling me on 7.047 where we completed the QSO. Started at 0728 and completed at 0732(!) so I sure am glad of his patience! Nice job, Floyd, if you're reading this-- lousy band and tough condx all 'round.

73
Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express
"Everything for the Morse Enthusiast"
http://www.MorseX.com
(303)752-3382
--

Date: Tue, 29 Dec 1998 20:54:27 -0600
From: "Marshall Emm" <mgemm@mtechnologies.com>
To: qrp-l@lehigh.edu
Subject: [28345] Re: FOX: bagged at 0257
Message-ID: <199812300354.UAA29423@edison.chisp.net>
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Content-Transfer-Encoding: 7BIT

Re mixed times, really-- I started my qso at 0228 and ended at 0232, not 0728-32 [g]. Lately I don't know what day of the week it is, much less the time.

73
Marshall Emm
N1FN/VK5FN
n1fn@MorseX.com
Morse Express
"Everything for the Morse Enthusiast"
http://www.MorseX.com
(303)752-3382
--

Date: Tue, 29 Dec 1998 22:56:59 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:hires@rust.net" <hires@rust.net>
Cc: "+Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>, //QRP-L Discussion Group <QRP-L@Lehigh.edu>
Subject: [28346] Tks for FOX pelt!!
Message-ID: <199812292259_MC2-6509-317A@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Floyd:

Well many thanks for digging me out of the pile tonight at 0253. Amd many thanks for giving me an RST 559 :-). You were a good solid 569 at the time.

During the evening you went from near noise level to 579. The QSB was a slow fade so I was able to stay with you. Listened to the entire hunt except for a few quick side visits to the Novelty Contest!!

Setup here was my new OHR500 at 5 watts to the TNT/2 Windom at about 30 feet. Used the ZM-2 tuner for most accurate power transfer with lowest SWR. Not automatic....but what a tuner <VBG>.

So thanks again for a good evening. Please plan to hunt me when I am up on February 17, 1999.

72/73,
--Doc Lindsey/K0EVZ

DSBF
P.O. Box 7187
Bismarck, ND 58507
E-Mail 70511.3041@compuserve.com

Date: Wed, 30 Dec 1998 04:13:37 +0000
From: pmk@juno.com (Patrick M Kvitkauskas)
To: qrp-l@lehigh.edu
Subject: [28347] 1999 QRP-L Heathkit Hot Water Sprint (HHWS) ANNOUNCEMENT
Message-ID: <19981230.041409.6558.1.pmk@juno.com>

OK looks like January 23 and 24 will be a go as it looked quiet
in the QST as the only contest listed there is a VHF something
or another.

Hope we have a good weekend and hope to bag a few myself.
If we have a good turnout and everyone enjoys it. There might be
another HHWS later in the year.

Date and times January 23 12:00z to 16:00z , January 24 16:00z to
20:00z
This ought to spread out the propagation for everyone on the upper bands.

Tried to keep the rules simple but didn't want to leave anything out.

1999 Heathkit Hot Water Sprint (HHWS) ((There might be 2))

1-1 HW rig defines any Heathkit HW series transceiver
1-2 If you have no HW series rig you still get 1 point for working
a HW rig.

2-1 Bands 40 / 20 / 80

3-1 Power output QRP for now (under 5 watts)

4-1 scoring 1 point per HW rig
4-2 HW rig to HW rig QSO = 2 points
4-3 non HW rig to HW rig or visa versa = 1 point
4-4 separate band logs
4-5 you can work the same station on other bands and receive those
points
4-6 the most points you can receive from a station is 6 points if you
both have
HW rigs and worked the 3 bands

5-1 exchange RST , QTH , rig
5-2 example 529 FL HW/7
5-3 example 599 FL SIERRA

6-1 call CQHW
6-2 please use 3 by 3 while calling unless working a pile up

7-1 we all must have fun

8-1 logs sent to PMK@JUNO.COM   VIA email
8-2 lets use the honer system and all I need are totals
8-3 Please in your subject put "HW totals callsign and total"
8-4 example   HW TOTALS KD4OBQ 36
8-5 in the text put your rig , QTH and snail mail address so I can mail out certificates

72/73 de Patrick KD4OBQ
PMK@JUNO.COM

AR

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 29 Dec 1998 21:15:42 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@lehigh.edu
Cc: cqclist@mtechnologies.com
Subject: [28348] Solar Alert in Effect 12-29
Message-ID: <Pine.SOL.3.91.981229202231.10558B-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

THE GOOD NEWS:

RIGHT NOW ... conditions are pretty good on the high bands (daylight hours) due to the highest solar flux seen in years ... in the 180's. With continued solar activity, as expected over the next few days (see ALERT below), it could easily hit 200. 10 and 15M have good skip propagation for some good DX work, even with QRP! Work the grey-line propagation at

twighlight for some interesting DX as well (will be posting a short explanation of that shortly).

THE BAD NEWS:

An outflow of plasma from a coronal hole, carried along by the solar wind, reached the earth mid-day today, agitating our geomagnetic field into active and even sub-storming conditions. (K index has been 3-4 since about noon, and todays planetary A-index was 11). Sundays two M-class flares, always hurling charged particles into space, will likely collide with our poor old magnetic field later tonight or tomorrow, keeping conditions on the lower bands quite noisy. This could persist into the weekend and could even reach major geomagnetic storm levels. This will effect 80 and 40M the most, daytime or night.

THE REALLY BAD NEWS:

In yesterdays tutorial, I explained how region 8920, near the center of the sun, was building in magnetic complexity, and categorized as a delta group. These are areas to watch for a major flare or two. Today, this region produced two small M-class flares, for which the particle radiation from the shock wave will hit the earth late thursday or friday, keeping the geomagnetic field at active to minor storm levels.

THE REALLY, REALLY BAD NEWS
*** SOLAR FLARE ALERT ***

As a result of how dynamic this region has become, several solar organizations have issued a SOLAR FLARE ALERT for this area for the next 5 days, with the next 2-3 days the highest probability. This means there is a high potential for a large M-class, or even an X-class flare. We've had a few of these already, but they have always been on the solar edges, missing the earth. If there is a major flare in the next few days, the tremendous shock wave and coronal mass ejection will assuredly smack into the earth, since this region is located near the sun's center meridian. If large enough, this will cause MAJOR to SEVERE geomagnetic storming, if not HF blackout conditions. This could very well wipe out the HF bands over the New Year's weekend. So if you plan on operating Straight Key Night or something, you better keep an eye on the K and A index.

Listen to WWV at 18 minutes past each hour for the current planetary K index. K of 5 is a minor storm, K=6 is a major storm and 7-9 is, well, just pretty ugly. Technically, called SEVERE.

Large flares will also trigger auroral activity seen in the northern U.S., and of course the larger the flare event, the further south the aurora can be seen.

On the web, I would recommend checking www.sel.noaa.gov/today.html

Scroll down a bit to get to the GOES satellite plots of solar x-ray emissions (3-days worth). If you check it right now, you will see todays two M-class flares, producing a fair amount of x-ray energy. Watch this plot periodically, and a major flare, which will produce a major amount of x-ray emission, will be obvious. Travel time from the major flare event to impact with the earth averages about 55 hours, although some major flares, it can be 6 hours faster than that.

Scroll down a bit more and you will see the plots for particle emissions and such, but at the bottom is the 3-hour updates of the K-index. Yellow means active/minor storming, and red bars is major storming.

This will allow you to kept abreast of world affairs and plan your weekend DXing and on the air activities accordingly. Of course I will post any major flare activity for those who don't have web access.

DISCLAIMER: This information is presented for education purposes and to understand what happens during the active sun. It is NOT intended to keep you off the air; never go QRT because the sun is acting up. Just an explanation in case the bands appear dead ... it might be they are!

GL and 72, Paul NA5N
National Radio Astronomy Observatory

Date: Tue, 29 Dec 1998 23:17:09 -0500
From: Floyd Soo <hires@rust.net>
To: QRP-L <qrp-l@lehigh.edu>
Subject: [28349] Fox Comments
Message-ID: <3689A945.186F42B9@rust.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gang,

I have new found respect for all of you veteran foxii! I have only imagined in the past, what it was like to be the center of a pileup like that for close to 2 hours. My ears are still ringing from the cans! I found it difficult to dig many of the stations out of the pile because many were zero beat with me and all I heard was a constant tone when there were more than 2 or 3 stations on frequency!

I want to thank each and every one of the hunters for being patient and exhibiting manners of true gentlemen!

I will post the log ASAP after I decipher my scribble.

Happy New Year to all!

--
72,
Floyd Soo, W8RO
President, HI-RES Communications, Inc.
Board Member, Collins Collectors Association (#002)
QRP-L #392
hires@rust.net
http://www.rust.net/~hires

Date: Tue, 29 Dec 1998 23:20:29 -0500
From: w2xn@juno.com (Fred J Kalt)
To: qrp-l@lehigh.edu
Subject: [28350] Fox
Message-ID: <19981229.232030.-1037431.0.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Couldn't even hear the fox tonite. All I could hear was the QRP contest. Condx was poor here in my part of Florida. All signals were very weak and lots of QRN.

Oh well, there is always the next hunt.

Fred W2XN
Lakeland, FL
W5YI-VE Skywarn #POL-007 Polk County ARES Net Manager AR QRP #233 QRP-L #1728
My Web Page:
http://www.geocities.com/ResearchTriangle/Thinktank/5344/

Date: Tue, 29 Dec 1998 22:24:53 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>

To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [28351] FOX: Team scores (fwd)
Message-ID: <Pine.LNX.3.95.981229221725.13683B-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...well after getting a tip was Doc that he had bagged a pelt and wasn't down for it, I checked things and found for some unknown reason when I printed the log out it skipped about a dozen hunters....so I printed it again and here's the revised log for this one....72 - Bruce(VE5RC)

...N2SMH - fox hunt #22...

****
The 40 mtr Fox Hunt Team Scores
****

..the Houston Hounds- 15.400-hounds->K5ZTY,KQ5U,KK5LD

..the Vibro-Fox Finders - 13.400 - hound -> KU7Y

...the Underdogs - 13.244 - hungry hounds this time

..the Fox Nabbers - 11.567 - hounds -> K0EVZ,W0CH

..the Texas Tarantulas-11.250-hounds->AB5WX,K5LN,N5TW,W5HNS"CLEAN SWEEP!"

..the Brass Pounders - 9.750 - hounds -> N1FN,AK7Y

..the Kentucky Porch Houndz - 9.000 - still hungry.

..the Northern Lights - 8.900 - hounds -> VE3FAL,VE5RC

..the Swords - 5.994 - lookin' for pelts.

..the Team Apathy - 4.329 - nothing bagged this time.

..the Jersey Diddles - 2.196 - hungry hounds.

Date: Wed, 30 Dec 1998 04:26:43 +0000
From: pmk@juno.com (Patrick M Kvitkauskas)
To: qrp-l@lehigh.edu
Subject: [28352] Ooops Band change 1999 QRP-L Heathkit Hot Water Sprint
     (HHWS)   ANNOUNCEMENT
Message-ID: <19981230.042644.6558.3.pmk@juno.com>

--------- Begin forwarded message ----------
From: pmk@juno.com (Patrick M Kvitkauskas)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: 1999 QRP-L Heathkit Hot Water Sprint (HHWS)   ANNOUNCEMENT
Date: Wed, 30 Dec 1998 04:13:37 +0000
Message-ID: <19981230.041409.6558.1.pmk@juno.com>

OK looks like January 23 and 24 will be a go as it looked quiet
in the QST as the only contest listed there is a VHF something
or another.

Hope we have a good weekend and hope to bag a few myself.
If we have a good turnout and everyone enjoys it. There might be
another HHWS later in the year.

Date and times January 23 12:00z to 16:00z , January 24 16:00z to 20:00z
This ought to spread out the propagation for everyone on the upper bands.

Tried to keep the rules simple but didn't want to leave anything out.

1999 Heathkit Hot Water Sprint (HHWS) ((There might be 2))

1-1 HW rig defines any Heathkit HW series transceiver
1-2 If you have no HW series rig you still get 1 point for working
        a HW rig.

2-1 Bands 40 / 20 / 15 <<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<<

3-1 Power output QRP for now (under 5 watts)

4-1 scoring 1 point per HW rig
4-2 HW rig to HW rig QSO = 2 points
4-3 non HW rig to HW rig or visa versa = 1 point
4-4 separate band logs
4-5 you can work the same station on other bands and receive those points
4-6 the most points you can receive from a station is 6 points if you both have
HW rigs and worked the 3 bands

5-1 exchange RST , QTH , rig
5-2 example 529 FL HW/7
5-3 example 599 FL SIERRA

6-1 call CQHW
6-2 please use 3 by 3 while calling unless working a pile up

7-1 we all must have fun

8-1 logs sent to PMK@JUNO.COM   VIA email
8-2 lets use the honer system and all I need are totals
8-3 Please in your subject put "HW totals callsign and total"
8-4 example   HW TOTALS KD4OBQ 36
8-5 in the text put your rig , QTH and snail mail address so I can mail out certificates

72/73 de Patrick KD4OBQ
PMK@JUNO.COM

AR
_____ You don't need to buy Internet access to use free Internet e-mail. Get completely free e-mail from Juno at http://www.juno.com/getjuno.html or call Juno at (800) 654-JUNO [654-5866]
--------- End forwarded message ----------

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 29 Dec 1998 23:30:02 -0500
From: Mike Boatright <ko4wx@mindspring.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Cc: North GA QRP Group <nogaqrp@qth.net>
Subject: [28353] Novelty QRP Test
Message-ID: <3689AC4A.662E@mindspring.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, 80M cleaned up after about 0330Z. Worked 3 stations (WQ4RP, AE4QW, WV4VFN) with my QRP+, but didn't have the guts to get out my NOGA80 with the S7-9 noise level (depends on if the furnace is on). But Rich, WB4VFN, I sure am impressed with your Pixie! Must feel pretty good to get a 539 from GA to KY!

72 DE Mike, KO4WX
--
Mike Boatright, KO4WX
Amateur Radio Emergency Service,
District Emergency Coordinator to Georgia Emergency Management Agency

----

Date: Wed, 30 Dec 1998 13:40:59 +0900
From: "Toru Kato JG1RVN" <jg1rvn@inv.co.jp>
To: "QRP-I ML" <qrp-l@Lehigh.EDU>
Subject: [28354] Freq-mite into OHR-500
Message-ID: <199812300440.NAA03586@inv.co.jp>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I am usually using DD-1 digital counter for OHR-500.
I like it, but I needed 'easy operation' sometimes.

I installed Freq-mite (Small Wonder Labs) to OHR-500 inside.
It was usuful unit kit indeed.
Now I will report how to install it.
I do not use OHR's internal keyer unit this time.

Experiment
I tried to use OHR-500's OSC OUT but the RF signal was too
weak to readout. It was unstable for Freq-mite.
(Of course DD-1 is stable.)
So I decide to connect Freq-mite RF in to OHR-500's VFO
 out put.
This way has one weak point, it is 80m band off set.
80m band begin at 3500kHz, then Freq-mite read out
shows 000kHz, it has 500kHz off-set on 80m.
But you can read last 2-digit, and you have only to
 add 500kHz in your mind if you use 80m band
(I think it is simple solution indeed, hi).
Another 40/30/20/15m have no problem.

Let's try!
Parts: Freq-mite (1) 1M-ohm resister (1) Push-switch(1)
Machine screw(1) and nut(1).

Assy your Freq-mite, R5 value should be 470-ohm for 12-15V.
If you connect directly, Freq-mite's AF OUT PUT is too big
for OHR-500 AF amp, so use 1M-Ohm resister in series Freq-mite's
AF OUT put.

If you don't use internal electric keyer, you can use KEYER hole
for Freq-mite's push S.W. (S1) That's good!

Connection
ex: From = To
GND = Rear panel PHONES GND
+V = AUX 12V out put
AF OUT = R207 right leg (It's sidetone input point)
S1 = Push switch (another push S.W. pin to GND)
RF IN = C128 right leg (It's VFO output after Q102)

You can find one hole right side of internal panel.
It is near MANUAL KEYER jack and over R235.
Use angle bracket and screw and nut (which you can find
your parts box) and install Freq-mite.

Check at least twice before power on.
It is important.
Don't forget to connect external speaker.

Adjustment
I felt 1kHz off-set.
ON 7003kHz, Freq-mite showed 004kHz.
My OHR-500 was LSB BFO. So I should solve 800Hz offset
 = it was nearly 1kHz offset.
Let's set 999kHz off-set program.

Switch off your OHR-500.
Use small shorting jumperes.
This parts is included in Freq-mite kit.

Short J1 like
512 256 128 64 32 4 2 1
(J1 = 1111100111   1=on 0=off)
Because 512+256+128+64+32+4+2+1=999(kHz offset)
Success!

Ps: If you jumper beyond 1000kHz offset, Freq-mite
shows direct VFO freq with 4 or 5 digits.
This is also usuful for simple Freq-counter use.

Let's switch your OHR-500 ON!
Freq-mite says 'S?', if you like high speed, press one time
 after 'S?', then he says 'R'.
Next his question is 'I?' but we don't use inverted readout
 mode so don't press push.
After several seconds, he says 'AR', it's completed.

Every time you press the S1, your OHR-500 says 3-digit Freq
by morse audio output.

Now my OHR-500 becomes 'interactive' RIG.
I think Freq-mite is really 'attravtive' unit indeed.

I hope this report will help you.
A happy new year to you! Thanks.

I don't have any connection to OHR or SWL.
Please try these experiment on your risk.

Toru Kato JG1RVN
jg1rvn@inv.co.jp
Tokyo Japan

Date: Tue, 29 Dec 1998 22:45:36 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [28355] FOX: Team scores (fwd)
Message-ID: <Pine.LNX.3.95.981229223704.21360A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...WQ8RP - fox hunt #23...

****
The 40 mtr Fox Hunt Team Scores
****

..the Houston Hounds- 16.150 - hounds-> K5ZTY,KQ5U,KK5LD

..the Vibro-Fox Finders - 14.000 - hounds -> WE6W,KU7Y,K2VCO

...the Underdogs - 13.577 - hound -> N4ROA

..the Fox Nabbers - 12.233 - hounds -> K0EVZ,W0CH

..the Texas Tarantulas - 12.000-hounds-> AB5WX,K5LN,W5HNS

..the Brass Pounders - 10.500 - hounds -> N1FN,AK7Y,K7GT

..the Northern Lights - 9.400 - hounds -> VE6EWM,VE5RC,VE2KN

...the Kentucky Porch Houndz - 9.000 - ate too much turkey.

..the Swords - 5.994 - they ate the same turkey as the Porch Houndz.

..the Team Apathy - 4.329 - nothing bagged this time.

..the Jersey Diddles - 2.326 - hound -> N2WF

Date: Tue, 29 Dec 1998 23:46:12 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [28356] N3EPA Novelty QRPp Contest
Message-ID: <002c01be33af$6c912ee0$235445c6@programs>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, this night was not as bad for QRN in Eastern Pennsylvania. But
I did find out that I have two bad gel cells. Half way into the contest I
noticed a change in my audio, so I changed to another gel cell. That one
went also. The two that went dead did have a full charge, should have
lasted more than an hour.

 I made a total of 7 Q's tonight with 7 states. Did not hear any signals in
the Novice band. One more night, I like the short contest. I can run them
on 4 1/2 hours of sleep! My last contact was with Ade, W0RSP.
Thanks Ade!

See everyone tomorrow night!

73 & Good DX,
Ron de WB3AAL wb3aal@talon.net

vvv Eastern PA QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
Eastern PA QRP #1
Eastern Pennsylvania QRP Club Call --> N3EPA

Date: Tue, 29 Dec 1998 23:51:01 -0500
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:hires@rust.net" <hires@rust.net>
Cc: "+Doc W.D. Lindsey/K0EVZ" <70511.3041@compuserve.com>, //QRP-L Discussion Group <QRP-L@Lehigh.edu>
Subject: [28357] Fox Comments
Message-ID: <199812292354_MC2-64F3-3B2B@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Floyd:

Already sent a thank-you note. But thanks again for a job *well done*!! As you said, it is not easy to be Da FOX...but you handled it well under tough conditions.

The QRN was constant here. Not sure why, but it was nerve-wracking all evening.

Anyway, will be interested in your log :-). Good luck again and happy holidays.

72/73,
--Doc Lindsey/K0EVZ
  DSBF
  P.O. Box 7187
  Bismarck, ND 58507
  E-Mail 70511.3041@compuserve.com

Date: Tue, 29 Dec 1998 22:01:49 -0700 (MST)
From: Paul Harden <pharden@aoc.nrao.edu>
To: qrp-l@lehigh.edu
Cc: cqclist@mtechnologies.com
Subject: [28358] Working 10M grey line DX
Message-ID: <Pine.SOL.3.91.981229212223.12096C-100000@zia>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

For those of you new to a solar cycle, an interesting form of working DX is called "working grey line." This simply means working 15M or 10M during twilight hours.

Here's what happens:

During the day, solar radiation collides with the molecules in our ionosphere, ripping off electrons. These electrons are called "free electrons" because they are not attached to an atom or molecule. All of these free electrons cause the density of the ionosphere to increase. The more dense the ionosphere, the higher the frequency that is reflected back to earth. Our electron density is what determines the maximum usable frequency (MUF), and the action of solar radiation separating electrons from the molecules is called IONIZATION.

During the day, solar radiation causes ionization to stratisfy, that is to form distinct layers. The layer closest to the earth is called the D-Layer. It does not reflect signals generally, but does absorb some of the energy, and hence the D-layer is often called the "absorption layer." Higher up in our ionosphere, we find the E and F layers. These layers DO reflect the signals back to earth if below the MUF, and is exactly what causes "skip propagation." So during the day, the sun is ionizing the D, E and F layers (there are actually two F layers, called F1 and F2). Your 10M signal must travel through the D-layer, getting attenuated, then bounces back from the E or F layer to some exotic DX spot, passing through the D-layer for more absorption again. But since solar radiation has to travel the farthest to get the D-layer, absorption is usually fairly minimal. So far ... middle of the day ... we have moderate absorption, and good skip propagation.

AT SUNDOWN ... solar radiation no longer strikes our ionosphere right above our heads, and ionization stops. This means there is no solar radiation to form free electrons. In fact, without this solar radiation, these free electrons tend to get attracted back to recombine with their host molecules. This is called "recombination." (Gee, how original!). Recombination, when it starts to get dark, causes the electron density

to go down, forcing the MUF to do down as well, which is why by total darkness, 10M (and a bit later 15M) are completely dead. The MUF is far below 28MHz.

The D-layer is the FIRST layer where ionization stops, since the sun light is no longer reaching near the surface of the earth, but is still illuminating (and ionizing) the ionosphere far above our heads. (For the same reason we can see satellites pass overhead in the early evening ... it's dark on the ground, but the satellites are still being illuminated). As the D-layer goes into recombination, the electron density goes down, and the absorption does down. This is why signals appear stronger at night, because there is less absorption by the D-layer at night.

BUT DURING TWILIGHT ... OR IN THE "GREY LINE" ... the D-layer suddenly causes little absorption to signals passing through it, while the E and F layers are still being ionized by sun light. This makes for about a 45-60 minute of interesting operating, ESPECIALLY FOR QRPers. There is almost no signal attenuation, while the MUF is still very high, so long distance skip is still possible. However, when the sun quits illuminating the E and F layers, the MUF can drop dramatically ... sometimes with a few minutes of warning, sometimes between heartbeats. So when you establish contact, get the QSL info fast -hi.

One other advantage of grey-line DX, is your signals tend to reflect off the edge of the ionized portion of the upper layers. This means propagation will often be in a southerly direction, bouncing along the shaddow, or terminator, between sunlight and dark. This is good for working into South America and the south pacific. Your signals can also bounce northward along the terminator, bending around the pole, and down the MORNING terminator across eastern Europe, the middle East and into Africa (depending on time of year). So grey-line DX also affords an opportunity to work portions of the world not usually accessible during the day, where propagation tends to be more east-west circuits.

The same principals apply at sunrise, as the upper ionosphere begins to become ionized, while the D-layer is still dark and offers low absorption. Although, the MUF in the morning generally does not support propagation on 10M, so most people enjoy grey-line work on 20M or 15M (if open). Morning grey-line can even been eventful on 80 and 40M, just due to the low absorption before the sun starts heating the D-layer.

And remember, 10 and 15M (and often down to 30M) are NOT generally bothered by a geomagnetic storm. So even during major geomagnetic storming, the higher bands may be open and fairly quiet. And even if a bit noisy, then the short period of grey-line operating can still produce a couple of good QSO's.

Hope this help explain the "grey line" phenomenon, and hope it helps
you snag a few new ones.

GL and 72,
Paul NA5N

----NATIONAL RADIO ASTRONOMY OBSERVATORY ----- Socorro, New Mexico -----
| VLA - Very Large Array Observatory - Worlds largest radio telescope |
|VLBA - Very Long Baseline Array   - even larger |
--------(pharden@zia.aoc.nrao.edu) --- (73 de NA5N) --------------------

---

Date: Wed, 30 Dec 1998 00:05:42 EST
From: we6w@juno.com (Ed Loranger)
To: qrp-l@lehigh.edu
Subject: [28359] Fox a bust. QRPp test:9 QSO's
Message-ID: <19981229.210508.4655.17.we6w@juno.com>

Heavy QRM on 7040 so tuff nite. BCI sneaked in
tonight and really hurt the pixie2. Had to switch
in the attenuator to RX and sometimes TX'd at
50 millitwatts! OOPS. Go to 10 dB for RX and
forget to take it out.... Good practice playing
with switches.

I had let the rig run all night on the battery
and figured it had enuf left, but the weaker battery
allowed BCI in there.

Got 9 Q's altogether. One was Barry/KF6DRI and it
too 29 minutes!!! GEez Man!   Lots of QRM and just
couldn't get RST for the longest time. Finally did
that after 29 minutes of painful work. That's when
I went back in the house to get the attenuator.

Many stations heard but not worked. Just wasn't the
nite for good propogation, unless you count BBS on
shortwave coupled with dance music, a talk show and
the dog barking for another tortilla chip!

Sorry if I missed you, I just couldn't hear well tonight.

One more to go. Searched for the fox too. Ended up working

5 stations back-to-back on the OHR-100 asking if anyone had
found the fox :) Oh well, nil on the pileup before the contest
started.

Catch y'all later. Two stations are QRO so only on point.
But with a PX-to-PX QSO at 6 points, one WQ6RP for 20 and
the change, I get 38 points. Better than last night.

Thanks to all who dug out my 500 milliwatts.
-Ed 72
72, Ed WE6W QRP-Z#106 http://www.qsl.net/we6w
Enjoying Ham Radio every day! Santa Rosa, CA.

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: 30 Dec 98 08:12:54 America/Fort_Wayne
From: Mike Dooley <msdooley@netscape.net>
To: franco@bnl.gov
Cc: qrp-l@lehigh.edu
Subject: [28360] Re: [Strange Tuner Occurrance during Test last night]
Message-ID: <19981230081255.9802.qmail@ww182.netaddress.usa.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

owner-qrp-l@Lehigh.EDU wrote:
[snip]
> problem with my FB40 the night before. =

> Nick - kf2ph . .

Nick,

I have an MFJ941 I bought used a number of years ago. I had a similar pro=
blem.
 Sometimes it would work and sometimes not. I found the problem to be th=
e
PL259 connectors. The center portion appears to be made by rolling a pie=
ce of
metal into a tube. The center pin of the plug spreads it out and it does=
n't
spring back. It also gets a little corrosion on it. So, try cleaning th=

e
inside of the PL259s on the tuner and make sure there is a good snug fit =
when
the center pin is plugged in.

Mike N5BGZ

_____
More than just email--Get your FREE Netscape WebMail account today at htt=
p://home.netscape.com/netcenter/mail

Date: Wed, 30 Dec 1998 00:44:48 -0500
From: "Mitch Dickson" <mitch@volstate.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [28361] Novelty QRP Contest
Message-ID: <005901be33b7$84cb4ba0$38338cd1@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Well, that was fun :) I wasn't really in it for the hunt, just thought I'd play. I didn't get in till late but worked Mike, KO4WX and Rick, WB4VFN. Then I messed up. Heard a weak signal at 3685.3 and answered him. It was a young man named Brian and It was his first QSO! Couldn't just dump him and hunt some real qrp stations, so I stayed and worked him. FOR 20 minutes! Had to slow down the keyer 3 times for him (and believe me, I ain't no speed demon). KF4LFL (yeah, how would you like to have that call to send) was working into a zigzagged dipole, in his One story attic. He might as well have been qrp ;) Anyway, I had a blast being his first qso and he will get a QSL in the morning! By the way, Rick and Mike, you will be getting one as well. I heard a bunch of you in and around us but I really couldn't just dump out on Brian. I will get you tomorrow night. By the way I heard the fox at a 599 plus! He was running 20 over on me. About the time I started to call him, some nut came in at what sounded like 500 watts and burried me. If he was fox hunting, he sure wasn't doing it QRP! CU Mitch AE4YW

Date: Wed, 30 Dec 1998 00:48:29 EST
From: ka7you@juno.com
To: QRP-L@LeHigh.EDU
Subject: [28362] HW-8 Power connector

Message-ID: <19981229.220420.6623.1.ka7you@juno.com>

Does anyone know the generic connector mate for the HW-8?
  It is similar to a Molex, but I don't know if it actually is Molex. It is a two row, six pin connector. The male Molex pins that I have fit the connector on the rig, but the spacing seems a bit odd for the orphan bodies that I have. Maybe it is just another style.
   Anyway, I need a mating half to do a proper hookup to my HW-8.
   7 3,
Rod Johnson KA7YOU from grid CN97AK near Issaquah, Wa.
160M thru 1296 MHz-higher bands pending
ARCI-QRP #7251   QRP-L #844   NWQRP #120   and others

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 30 Dec 1998 01:00:55 -0500
From: "Mitch Dickson" <mitch@volstate.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [28363] The Loop is UP!
Message-ID: <005e01be33b9$c47634c0$38338cd1@default>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

All 272 feet of her is up over 55 feet!!! It was a great day to put up an antenna. 34 degrees and freezing rain :) Only had to stay out in it for 5 hours :(Slicker than cat crap on a lenolium floor, she is! I'm gonna like this full wave loop. Getting some great reports about signal. Worked 8 different states since 5:30, all at 1 watt, and getting some pretty good signal reports.

I am off all week so if any of you are needing grid square 75 or a Tennessee QSL, let me know and I will set up a time to work you. Don't expect 30 word code though. 15 is a lot more comfortable :) I'm decrepid you know, and cold and wet! I need most of the western states and a few eastern ones. CU
Mitch AE4YW

Date: Tue, 29 Dec 1998 22:21:33 -0800
From: "Radman" <radman@best.com>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [28364] Fox? I got skunked !
Message-ID: <199812300619.WAA04512@proxy4.ba.best.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

There's an old saying in ham radio: "If you can't hear
'em, you can't work 'em." Man, I could _not_ hear the fox
all night here in 6-Land.

I promised myself I wouldn't work any other Qs... only the
Fox tonite... it just wasn't meant to be. There were
stations in the clear all over the place... I could have
reached out and grabbed 'em. No Fox! It's disturbing that
Ed - WE6W - couldn't snag 'em.

Must be propagation. Maybe it's my ears? More practice? I
guess I'll take two aspirin and get some sleep.

Catch you folks in the morning...

72 - Conrad Weiss - NN6CW

ps... and I even used the DSP. Dang, my ears are ringin'
...

Date: Wed, 30 Dec 1998 01:49:45 EST
From: we6w@juno.com (Ed Loranger)
To: radman@best.com
Cc: qrp-l@lehigh.edu
Subject: [28365] Re: Fox? I got skunked !
Message-ID: <19981229.224908.4655.25.we6w@juno.com>

Hi Conrad. Yes, it was a major bummer not catching the
fox. And I also felt the same way about all the calls!

I felt I was going to do 28 QSO's!!!! but they
just couldn't hear me or I them when it came time
to do the duty.

They were right there in my hand and not hearing me.

I even heard N3EPA! 20 Points down the tubes.

I heard the usual suspects and some of their neighbors
as well, but then nothing. On one 20 minute empty
run I finally got a call back from my CQ and it
was 2 guys covering eachother trying to work me!

Figure that. Grabbed one and came back with 'other
station QRZ?' and worked Earl, VE6EWM who had waited
patiently for me. Then the band went into the Marianas
Trench (sp?) and my Sked at 0430 with a QRO station I
met in the contest found me impossible to hear on my
OHR-100 at 5 watts after only moments earlier at 0432Z
He responded to my AS-1 while I change rigs.....

All part of living with and learning about the band.
Hope tomorrow will be spectacular. Last year the
final contest night was like a fox hunt!

Looking forward to that. Good night all!
-ED
72, Ed WE6W QRP-Z#106 http://www.qsl.net/we6w
Enjoying Ham Radio every day! Santa Rosa, CA.

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Tue, 29 Dec 1998 22:33:13 -0900
From: Jim Larsen AL7FS <larsennc@alaska.net>
To: "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [28366] Novelty QRPp Contest - AL7FS
Message-ID: <3689D700.CECAB36C@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Novelty QRPp Contest

I only had a little bit of time to play tonight and I think I figured
out that propagation was a lot better down there tonight. Why? Because
you all kept working each other and did not hear me down under the noise
and QRM. Still, the night was not a total loss.

I did work WE6W and W5VBO. Ed came right back but Brian took at least
20 tries and it was only when he QSYed up above .040 that we connected.
Even there it took 5-8 tries. WE6W, W5VBO and NQ7RP were the three
beacons for me tonight. I never could get heard by NQ7RP.

Also heard but could not work were: AC6AN, AA6R, KU7Y, WQ6RP.

I will listen again tomorrow night and maybe I will even call CQ this
time....kinda add to the noise level as it were. I hope the recent
solar "stuff" doesn't totally kill the band tomorrow.

FWIW, I heard signals from 0140Z to about 0245Z and then they started
to fade down for me.

CUL

73, Jim Larsen, AL7FS -- Anchorage, Alaska
QRP-L #114, QRP-Z #020, AK QRP #003, NW QRP #009
(BP51cc)@61.1009636 North 149.8237915 West(approximately)
mailto:al7fs@qsl.net   ICQ 11022915 http://www.mirabilis.com/

Date: Wed, 30 Dec 1998 09:00:30 +0100
From: "Eim Mulder" <mulder@server4.nfra.nl>
To: qrp-canada@lists.gpfn.sk.ca
Cc: QRP-L@Lehigh.EDU
Subject: [28367] The end of 1998
Message-ID: <s689ebbc.071@server4.nfra.nl>
Mime-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline
Content-Transfer-Encoding: quoted-printable

Hallo everyone

As one of one of the users of this list, I wish everyone a happy ending of =
this year and a
good start for 1999, the lat last year of this century.

My wish for next year is that more hams will use low power and good =
propagations on ecspecially
the 10m band (cyclus 23).

It's my last day to work this year, on the 5th of january I'llbe able to =

read the list again .

Outside it's 7 =B0C and to warm for the time of the year

73"s from the City of Roden

Eim----------PA3CMD

Eim mulder

mulder@nfra.nl

Date: Thu, 31 Dec 1998 04:29:09 -0600
From: k5zty@juno.com
To: qrp-l@lehigh.edu
Subject: [28368] FOX: Where???
Message-ID: <19981231.114547.10406.0.k5zty@juno.com>

Well, I was skunked tonite. This was the first time that I never heard
the fox or the pile up. I worked WQ8RP in MI in the QRPp contest,he was
loud here, but never heard a peep out of W8RO in MI. I couldn't hear
W5TFB here in TX when he was the fox but I heard the pile up all night. I
heard nothing at all tonight from the foxhunt. I'm puzzled.
I had fun working the brave souls that got on the air with the peanut
rigs though. I was using my OHR 400 at 5 watts. I'm a sissy. QRPp is not
for sissys.

Bill, K5ZTY
Houston,TX
k5zty@juno.com

____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 30 Dec 1998 07:57:07 -0500
From: "John L. \"Jake\" Carter" <jakecart@ix.netcom.com>
To: QRP-L <qrp-l@lehigh.edu>, NJ QRP Club <njqrp@njqrp.org>, Knight Lites
<klqrp@waterw.com>
Subject: [28369] Pixie Contest -- no luck again last night
Message-ID: <368A2323.FB08044@ix.netcom.com>

MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Called CQ for about 1.5 hours last night -- no luck -- same as Monday.
Heard some stations but no Qs. I'm running a stock Pixie -- 250 mw,
crystal controlled at 7.040.63, no offset, no tuning. I'll try for a
bit again tonight but if condx are poor again, I'm going to finish up my
latest project by putting a Tick in my GM-20.
--
Jake Carter -- N4UY
Vienna, VA (DC suburbs)
WAS/QRPp 16/16 on a Pixie,
  MRX-40, & 40m wire dipole

Date: Wed, 30 Dec 1998 08:25:58 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: k5zty@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [28370] Re: FOX: Where???
Message-ID: <368A29E5.C8F559B3@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Conditions are POOR when K5ZTY misses the FOX!   Tom, N1TP, Naples, Fl.

k5zty@juno.com wrote:

> Well, I was skunked tonite. This was the first time that I never heard
> the fox or the pile up. I worked WQ8RP in MI in the QRPp contest,he was
> loud here, but never heard a peep out of W8RO in MI. I couldn't hear
> W5TFB here in TX when he was the fox but I heard the pile up all night. I
> heard nothing at all tonight from the foxhunt. I'm puzzled.
> I had fun working the brave souls that got on the air with the peanut
> rigs though. I was using my OHR 400 at 5 watts. I'm a sissy. QRPp is not
> for sissys.
>
> Bill, K5ZTY
> Houston,TX
> k5zty@juno.com
>

> _____
> You don't need to buy Internet access to use free Internet e-mail.
> Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
> or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 30 Dec 1998 08:30:50 -0500
From: Tom Palmer <n1tp@worldnet.att.net>
To: we6w@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [28371] Re: Fox? I got skunked !
Message-ID: <368A2B0A.41581DDD@worldnet.att.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Conditions are POOR when WE6W does not bag the FOX. Tom, N1TP. Naples, Fl.

Ed Loranger wrote:

> Hi Conrad. Yes, it was a major bummer not catching the
> fox. And I also felt the same way about all the calls!
>
> I felt I was going to do 28 QSO's!!!! but they
> just couldn't hear me or I them when it came time
> to do the duty.
>
> They were right there in my hand and not hearing me.
> I even heard N3EPA! 20 Points down the tubes.
>
> I heard the usual suspects and some of their neighbors
> as well, but then nothing. On one 20 minute empty
> run I finally got a call back from my CQ and it
> was 2 guys covering eachother trying to work me!
>
> Figure that. Grabbed one and came back with 'other
> station QRZ?' and worked Earl, VE6EWM who had waited
> patiently for me. Then the band went into the Marianas
> Trench (sp?) and my Sked at 0430 with a QRO station I
> met in the contest found me impossible to hear on my
> OHR-100 at 5 watts after only moments earlier at 0432Z
> He responded to my AS-1 while I change rigs.....
>
> All part of living with and learning about the band.
> Hope tomorrow will be spectacular. Last year the

> final contest night was like a fox hunt!
>
> Looking forward to that. Good night all!
> -ED
> 72, Ed WE6W QRP-Z#106 http://www.qsl.net/we6w
> Enjoying Ham Radio every day! Santa Rosa, CA.
>
> _____
> You don't need to buy Internet access to use free Internet e-mail.
> Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
> or call Juno at (800) 654-JUNO [654-5866]

Date: Thu, 03 Jan 1980 06:51:36 -0600
From: Jim <kj5tf@madisoncounty.net>
To: qrp-l@Lehigh.EDU
Subject: [28372] Novelty contest results
Message-ID: <12D1FDD8.41C6@madisoncounty.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Better condx last nite.
K5ZTY - OH
W8LSE - KW
N6MM - NC
AB8BT - KW
NQ7RP - SA
W5VBO - TT
N9JXY - 49er!
W3KC - HB3
WQ6RP - KW
W4VCT - TT
Thanks everyone, look for me tonight, and my Mighty Arkansas 49er. Jim

---

Date: Wed, 30 Dec 1998 08:58:07 -0500
From: Mike Boatright <ko4wx@mindspring.com>
To: QRP-L <qrp-l@Lehigh.EDU>
Cc: North GA QRP Group <nogaqrp@qth.net>
Subject: [28373] Novelty QRP Test
Message-ID: <368A316F.49DF@mindspring.com>
MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

FWIW, I worked AE4YW and WB4VFN (not AE4QW and WV4VFN). Got 'em right in the log, but was typingly challenged last night!

72 de Mike
--
Mike Boatright, KO4WX
Amateur Radio Emergency Service,
District Emergency Coordinator to Georgia Emergency Management Agency

---

Date: Wed, 30 Dec 1998 08:37:51 -0600
From: kkanalz@optelinc.com
To: n0tu@webaccess.net
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [28374] Re: Aluminum primer?
Message-ID: <862566EA.005089A7.00@hdqsmtp01>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

The "primer" you need for aluminum is usually "zinc chromate". In the old days, it was a kind of yellowish-green color, but today, it's available in several other colors!

If you're painting aluminum that has a high-gloss finish to the metal, I'd recommend "roughing it up" a tiny bit with some very, very fine steel wool or emery paper, so the primer (and finish) coats will have something to "hold on to".

Zinc chromate ALSO works well as a primer for other metals as well. You can buy it in aerosol cans at most any hardware store (Ace Hardware, Home Depot, Builders' Square, etc...).

Karl K. - W8TIf
McKinney, Texas

Date: Wed, 30 Dec 1998 09:44:32 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>
To: "Qrpl_Submit (E-mail)" <qrp-l@Lehigh.EDU>, "klqrp_submit (E-mail)"
<klqrp@waterw.com>, "_Nogaqrp_List (E-mail)" <nogaqrp@qth.net>
Subject: [28375] Novelty QRP Contest - Night 2
Message-ID: <21E06269B00ED111BE9B00805F6D0FA35725AA@MAILSERVER1>
MIME-Version: 1.0
Content-Type: text/plain

I tried my 40 mtr PIXIE running 150 mW last night to no avail. There were
BIG QRO stations all over and some right on 7.040mHz. The PIXIE's are wide
as a barn so it gets really tough. I want to thank anyone who has even
worked me when I was using the PIXIE. You have very good EARS. I think I
heard a few weak QRP contesters ones in the noise but no responses to my CQ
TEST. I hope you guys on 80 mtrs did better. Well I didn't have the time for
try to setup my PIXIE for 80 mtr. Maybe next year. HiHI.

Sam Billingsley   AE4GX   Atlanta,GA

Date: Wed, 30 Dec 1998 09:47:08 -0500
From: elawson@lr.net (Ed Lawson)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [28376] Re: Novelty contest results
Message-ID: <19981230144148.AAA26617@office4.office.new>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Santa brought me a Rainbow tuner kit and the enclosure kit.
Built the tuner for the enclosure, but now I need some RG174
to complete the wiring for the enclosure.

Being in the hinderlands of NH, finding a source is not easy.

Anyone have a few feet for sale? Or know where it can be ordered?

BTW, trying to get into the contests with my new SST 40, but a bit
beyond me. SST is great though. Santa was very nice to me!

TIA

Ed Lawson
K1VP

elawson@lr.net

Date: Wed, 30 Dec 1998 09:13:26 -0800
From: Charles Kadesch <chas@digizen.net>
To: qrp-l@lehigh.edu
Subject: [28377] Novelty QRP Event
Message-ID: <368A5F36.267F@digizen.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

I gave it a shot both nights so far. The first night 40 was zip so
I moved to 80 but made only 4 Qs in 3 SPCs. Last night 40 was better
but quite noisy here- made 12 Qs in 9 SPCs all on 40. By the time I got
to 80 (late) everyone had packed it up. Tonight I will try both bands
again. Thanks to all the good ears.
-72 de Chas W3KC-

Date: Wed, 30 Dec 1998 09:04:05 -0600 (CST)
From: Bruce Rattray <rattray@gpfn.sk.ca>
To: QRP-Canada <qrp-canada@lists.gpfn.sk.ca>, Low Power Group <qrp-l@LeHigh.EDU>
Subject: [28378] FOX: Team scores (fwd)
Message-ID: <Pine.LNX.3.95.981230085415.7744A-100000@neale.gpfn.sk.ca>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

...Happy New Year and Hogmonay everyone!!...72 - Bruce&Bonnie -

..K0EVZ - fox hunt #24...

****
The 40 mtr Fox Hunt Team Scores
****

...the Houston Hounds- 16.900 - hounds-> K5ZTY,KQ5U,KK5LD

...the Vibro-Fox Finders - 14.600 - hounds -> WE6W,KU7Y,K2VCO

...the Underdogs - 13.910 - hound -> N4ROA

...the Fox Nabbers - 13.233 - hounds -> K0EVZ(fox),W0CH,W5FN"CLEAN SWEEP!"

...the Texas Tarantulas-13.000-hounds->AB5WX,K5LN,N5TW,W5HNS"CLEAN SWEEP!"

...the Brass Pounders - 11.000 - hounds -> AB8DF,N1FN

...the Northern Lights - 9.900 - hounds -> VE7CQK,VE6EWM,VE5RC

...the Kentucky Porch Houndz - 9.000 - ate too much turkey.

...the Swords - 5.994 - they ate the same turkey as the Porch Houndz.

...the Team Apathy - 4.662 - hound -> K7TQ

...the Jersey Diddles - 2.659 - hounds -> N2CX,N2WF<-way to go guys!

Date: Wed, 30 Dec 1998 07:09:12 -0800 (PST)
From: Brad Bradfield <b_bradfield@yahoo.com>
To: qrp-l@lehigh.edu
Subject: [28379] KENWOOD TR-7400A
Message-ID: <19981230150912.22265.rocketmail@send203.yahoomail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

Hey gang - -

Does anybody have a Kenwood TR-7400A (Hey, I operate packet QRP!)
service manual? Drop me a note direct at < b_bradfield@yahoo.com >.
I'd like to borrow it if possible. I'll pay priority shipping both
ways, and return promptly.

Y'all have a great and safe New Years es Straight Key Night.

72's es 73's,

Brad, W5CGH

==
Brad Bradfield, PE   W5CGH   Systems Engineer
(ex WB0CGH)   Raytheon Systems Company

Real men talk with their fingers!!

QRP-L #377   SMIRK #4906
ARS   #72   Austin QRP Club #e
____
DO YOU YAHOO!?
Get your free @yahoo.com address at http://mail.yahoo.com

Date: Wed, 30 Dec 1998 09:09:40 -0600
From: vlantz@juno.com (Vann G Lantz)
To: qrp-l@Lehigh.EDU
Subject: [28380] WWV
Message-ID: <19981230.090941.9038.1.VLantz@juno.com>

What is the frequency for WWV?

Thanks.

Vann Lantz, KF4QHJ, AL
QRP-L #1790, AR QRP #241
VLantz@Juno.Com
Http://members.xoom.com/VLantz/home.htm
"If there is no God, then who pops up the next Kleenex in the box?"

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 30 Dec 98 08:35:00 -0700
From: "James R. Duffey" <jamesd1@flash.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>, "Hendricks, Doug" <ki6ds@dpol.k12.ca.us>
Subject: [28381] Why is NorCal QRP so Great? (formerly Where is fall QRPp?)
Message-ID: <199812301536.JAA14720@echo.flash.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"

1. Doug edits and publishes a fine journal: QRPp
2. Doug, along with Paul, handle all the production duties for QRPp.
3. Doug hustles articles for QRPp (I know, I still owe Doug 2 articles:^)).
4. Doug hustles kit designers and, along with Jim, produces the kits.
5. Doug does something right.

Thanks Doug!

James R. Duffey KK6MC/5 DM65
30 Casa Loma Road
Cedar Crest NM 87008

Date: Wed, 30 Dec 1998 10:58:22 EST
From: we6w@juno.com (Ed Loranger)
To: larsennc@alaska.net
Cc: qrp-l@Lehigh.EDU
Subject: [28382] Re: Novelty QRPp Contest - AL7FS

Message-ID: <19981230.075728.4903.1.we6w@juno.com>

On Tue, 29 Dec 1998 22:33:13 -0900 Jim Larsen AL7FS <larsennc@alaska.net>
writes:
>Novelty QRPp Contest
<snips>
>
>I did work WE6W and W5VBO. Ed came right back but Brian took at least
>20 tries and it was only when he QSYed up above .040 that we
>connected.
>Even there it took 5-8 tries. WE6W, W5VBO and NQ7RP were the three
>beacons for me tonight. I never could get heard by NQ7RP.

Hey Jim, just letting you know, I was just under 500 milliwatts
when we hooked up. 450 milliwatts!   I credit you with
being zerobeat on my other frequency and when I toggled
back to my offset on the pixie2, You were right where
you had to be! Thanks for the maneuver. There was
all this QRM, BCI stations etc but we did it!

Thanks Jim. Hope we can do it again tonight.

Oh, had a 10 minute ragchew with a QRO station wondering
what all the excitement was. He gave me a 'canned'
599. I told him, 'SKED at 0430Z'. He asked me what
my rig is. "Pixie2, 2 transistor beast". His CW
sending stuttered, and he asked for RX type. I go:
"No, this full transceiver. Contest nw, cul at 0430Z
73 es gn"

599, uh huh :) <Southern California>
-Ed

72, Ed WE6W QRP-Z#106 http://www.qsl.net/we6w
Enjoying Ham Radio every day! Santa Rosa, CA.

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 30 Dec 1998 07:58:27 -0800
From: Vic Rosenthal <rakefet@rakefet.com>
To: radman@best.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [28383] Re: Fox? I got skunked !

Message-ID: <368A4DA3.8466A599@rakefet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Radman wrote:
>
> There's an old saying in ham radio: "If you can't hear
> 'em, you can't work 'em." Man, I could _not_ hear the fox
> all night here in 6-Land.

He was coming in well here in Central CA. He went up and down, but at times was actually moving the needle to S5! Hard to work, though. It took me about an hour before I finally got him. He seemed to be having trouble hearing -- asked for lots of fills and gave lowish reports. It was funny to listen to both sides of the QSO here with both signals S5 while they were struggling to hear each other. Propagation must have been very spotty.

73,
Vic, K2VCO
Fresno CA

Date: Wed, 30 Dec 1998 11:06:23 -0500
From: Zack Lau <zlau@arrl.org>
To: qrp-l@lehigh.edu
Subject: [28384] 10M DX
Message-ID: <368A4F7E.21E97F2A@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

1421Z 28.06MHz LY2FE/QRPp 100 mW 539 yagi each end
band open but slow--seven 2XQRP QSOs with Europe.
--Zack W1VT

Date: Wed, 30 Dec 1998 11:10:45 EST
From: we6w@juno.com (Ed Loranger)
To: qrp-l@lehigh.edu
Subject: [28385] Thanks Friends and Happy New Year.
Message-ID: <19981230.081028.4903.7.we6w@juno.com>

Fellow milliwatters, list lurkers, and sometimes
QRO operating list members.

I just want to express my thanks to one and all
on the list for without all of you, there is no
list.

I also am very thankful for the many QRP-lers
who have sent me prizes over this last year
to help me along with my experiments and operating
radio every day. I will try to share with others
in this same manner.

It is not necessarily the gifts, but knowing there
are people who think of others the way you do, makes
this humble Ed proud to be here amongst you fine people.

Happy New Year to all.

72, Ed WE6W QRP-Z#106 http://www.qsl.net/we6w
Enjoying Ham Radio every day! Santa Rosa, CA.

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 30 Dec 1998 11:15:10 -0600
From: dfirlik@juno.com
To: qrp-l@Lehigh.EDU
Subject: [28386] Re: Aluminum primer?
Message-ID: <19981230.111510.3318.0.dfirlik@juno.com>

On Wed, 30 Dec 1998 08:37:51 -0600 kkanalz@optelinc.com writes:
>
>If you're painting aluminum that has a high-gloss
>finish to the metal, I'd recommend "roughing it up"
>a tiny bit with some very, very fine steel wool or
>emery paper, so the primer (and finish) coats will
>have something to "hold on to".

Steel wool is not recommended for use on aluminum. Small pieces can
become embedded in the aluminum and cause corrosion and pitting over
time. Aluminum wool or non-metallic abrasives are preferred in this
situation. Check with an aircraft mechanic for local sources for aluminum

wool.

Don K8AQZ
Grand Rapids, MI

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 30 Dec 1998 08:18:59 PST
From: "Brad Hernlem" <alihernlem@hotmail.com>
To: ctrask@primenet.com
Cc: QRP-l@lehigh.edu
Subject: [28387] Re: Dual Gate MOSFET Question
Message-ID: <19981230161859.7577.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain

Chris Trask <ctrask@primenet.com> wrote:

>On Mon, 28 Dec 1998, Brad Hernlem wrote:
[..]
>> Am also wondering whether the apparent transconductances that I
observed
>> under DC conditions (1000-6000 umhos) look reasonable. The specs that
I
>> have seen for dual gate MOSFETs usually indicate at least 8000 umhos
but
>> I am unsure of the conditions under which these numbers are obtained.
>>
>   The Motorola Small-Signal Transistor Databook (1983) lists the
>transconductance as being 8,000-20,000 with VDS=15V, VG2S=4V, ID=10mA.
>It does not list a VG1S, but I suspect that this was adjusted to give
>the desired ID. THe gain was measured at a frequency of 1kHz.
[...]

I rigged up a circuit last night to test the device under these
conditions and found a transconductance of 12,000 umhos. This was with
+4V on G2 and -0.02V on G1 and with a DC drain current of 10 mA. With 40
mV P-P 990 Hz (close enough to 1kHz) in, the output from the drain with
a 470 drain resistor was 220 mV P-P.

12,000 umhos = (.22V)(1*10^6 umhos/mho)/(470 ohm)(.04V)

With -0.5V on G1 the ID fell to 3.4 mA and the transconductance was

9,600 umhos. At -1.0V on G1 the ID was only 0.2 mA and the
transconductance was 2,650 umhos.

I had a look at the Philips data sheets for some of their modern dual
gate fets and this behavior agrees with their plots. I don't have an old
Motorola Handbook but according to your info and other that I gleaned
from sources, this device looks like a MPF131 type.

Thanks.

Brad

_____
Get Your Private, Free Email at http://www.hotmail.com

Date: Wed, 30 Dec 1998 10:22:01 -0600
From: "K1OJ" <k1oj@swbell.net>
To: <vlantz@juno.com>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [28388] Re: WWV
Message-ID: <004901be3410$88e9d720$480cc1cf@pavilion>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

WWV is easily heard at 5.0, 10.0, 15.0 Mhz.
OJ..

Date: Wed, 30 Dec 1998 10:29:12 -0600
From: kkanalz@optelinc.com
To: mwattcpa@earthlink.net
Cc: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [28389] Re: More about the 30m BCI
Message-ID: <862566EA.005ABB71.00@hdqsmtp01>
Mime-Version: 1.0
Content-type: text/plain; charset=us-ascii
Content-Disposition: inline

Amen to that! Antennas, especially B-I-G towers and arrays
or complicated wire antennas should ALWAYS be erected on

the coldest, most foul-weather day(s) of the year. That way,
they'll always work reliably, produce maximum gain and with
optimized patterns!

Karl K. - W8TIF
McKinney, Texas
(snow drifts up to 3/4" !)

Date: Wed, 30 Dec 1998 11:27:13 -0500 (EST)
From: bkobie@webtv.net (patrick obrien)
To: qrp-l@lehigh.edu
Subject: [28390] coopers
Message-ID: <19011-368A5461-610@mailtod-131.iap.bryant.webtv.net>
Content-Disposition: Inline
Content-Type: Text/Plain; Charset=US-ASCII
Content-Transfer-Encoding: 7Bit
MIME-Version: 1.0 (WebTV)
Content-Transfer-Encoding: 7Bit

does anyone have the website adr for coopers who has the 10mtr xcvr for
69dollars?
73 es tnx pat/k8len

Date: Wed, 30 Dec 1998 08:44:24 PST
From: "Bruce Prior" <n7rr@hotmail.com>
To: qrp-l@Lehigh.EDU, pharden@aoc.nrao.edu
Subject: [28391] Re: Working 10M grey line DX
Message-ID: <19981230164425.25338.qmail@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain

Paul's essay is a gem, definitely a keeper! Keep'em coming, Paul.
You're my propagation Elmer, and I've been around a long time...
72, Bruce Prior n7rr@hotmail.com

____
Get Your Private, Free Email at http://www.hotmail.com

Date: Wed, 30 Dec 1998 11:53:04 EST
From: Robsparks@aol.com
To: qrp-l@lehigh.edu
Subject: [28392] AR net sked
Message-ID: <683d0254.368a5a70@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Following is a list of Arkansas QRP Club nets:

Monday Night   0130Z   3.560 mhz   N9ZZ   Bob AR #1 is NCS
Wednesday Night   0130Z   7.042 mhz AB5ZD   Bob AR #277 is NCS

Non-members are welcome (and encouraged) to check in!

Date: Wed, 30 Dec 1998 17:22:16 GMT
From: mwattcpa@earthlink.net (Marty Watt)
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [28393] Re: WWV
Message-ID: <368a602d.47178285@mail.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

On Wed, 30 Dec 1998 09:09:40 -0600, vlantz@juno.com (Vann G Lantz) wrote:

>What is the frequency for WWV?

2.5, 5, 10, 15, 20 MHz

see www.boulder.nist.gov for more detail than you'd ever care to know.

--
72 es 73 de Marty, KM7W
_____=
_____
Memphis, Tennessee   =
http://home.earthlink.net/~mwattcpa
 VE -- NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid =
EM55ce

CODE WARRIOR(c) #29 -- Mobile CW -- "Taking Code on the Road with a =
Vengeance"

Date: Wed, 30 Dec 1998 08:26:31 -0900
From: Jim Larsen AL7FS <larsennc@alaska.net>
To: "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>, "qrp-l@lehigh.edu" <qrp-
l@lehigh.edu>
Subject: [28394] Re: Novelty QRPp Contest - AL7FS
Message-ID: <368A6247.331DBCBC@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ok, Doc. What rig will you be running? I ask so I know where to look for
you. I may check for pixies thoroughly first and then move up a bit and call
cq around 042-043 +-

W. D. (Doc) Lindsey wrote:

> Jim:
>
> Well I will be listening for you tonight. Wow. Never heard a peep last
> evening. QRM/QRN was horrendous on the 7.040 freq....

> 72/73,
> --Doc Lindsey/K0EVZ
>

Date: Wed, 30 Dec 1998 12:26:20 EST
From: we6w@juno.com (Ed Loranger)
To: qrp-l@lehigh.edu
Subject: [28395] First QSO.
Message-ID: <19981230.092553.7791.1.we6w@juno.com>

GM Gang, I just had a qso with a shaky
N7BRK in St. George, WA, I think :)

It was Gene's first ever QSO and I had to add
my big magnet hanging off the end of the
Bug to QRS with him. He got good copy with it
so that did the trick.

Running 2XQRS, we had a 30 minute chat.

I remembered my first-ever qso and during this
one I tried very hard to keep Gene from fainting :)

I spelled out "Fine Business" followed by FB, I
sent "very" instead of "vy" and kept it light on
shorthand. I did use "es" for "and" but hopefully
he caught that in context.

I stuck tightly to CW protocol without enforcing
it. He sent 'TNKS' and was gone at the end without
the SK de etc..... so I passed that on to him
for sign off but I think he had already
fainted from the shakes :)

Sure is neat working someone in their first qso
and it brings back memories for sure.

He thanked me for the "encouragement". Pretty
big word for a new guy. I hope to work him some
more, maybe bag another qrp'er!

Best to all.
-ED
72, Ed WE6W QRP-Z#106 http://www.qsl.net/we6w
Enjoying Ham Radio every day! Santa Rosa, CA.

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: 30 Dec 1998 09:44:16 PST
From: johnmc@arl.com
To: QRP-L@LEHIGH.EDU
Subject: [28396] 1A0KM FYI QSL INFO
Message-ID: <199812301734.MAA27554@nss4.cc.Lehigh.EDU>

Gentlemen,

I have notice several questions about 1A0KM conformations for Mid Summer
1994.

I too sent several request to the Francesco Valsecchii... 3 mailings plus $2 each... With no response..... Over a two year period.

I was up on INDEXA in 1996 and found out that WU1F Joel, had the logs.... So I sent him a request.... After 6 months or so I landline Joel to see if he received my request...
He told me that my request had been received, and I was in the Log, but the confirming
cards had not been received from Italy so he could not confirm yet.... Joel kept on the
problem for another year and a half finally receiving the 1A0KM cards.... And one day in the fall of 1998 I received a confirming QSL CARD.... It pays to be persistent.

Thanks to WU1F Joel for the effort....

Joel can be reached at JMAGID@TIAC.NET

Good Luck on the QUEST...

WORKING THE DX IS THE EASY PART!!!!!!

73 de John N7MZ

to: IN:QRP-L@LEHIGH.EDU
cc: IN:WILLIS@LL.net

Date: Wed, 30 Dec 1998 12:47:41 -0500
From: hamjoel@juno.com
To: qrp-l@lehigh.edu
Subject: [28397] Fox Hunt... what a mess
Message-ID: <19981230.124741.-239293.0.hamjoel@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Dearest highest gang
    Oh my cajun mama was so ashamed las nite.... I tried for de fox and couldn't got nuttin... I checked my antenna and found wire frost on the whole thing... to beat that it was sneauxing and the ground slip sumthin awful...
    anyhow I untie de ropes and lower the dipole and put up a half square... my cajun mama was proud of me then.... but when I try the half square,

the darn thing skip over de fox and listen to de hounds... oh my cajun mama was so shamed of her son...

Me, wal I was too tired and hurting from slipping and sliding putting down one antenna and upping the other... You kneaux I never have trouble with phideaux and the real fox... dat one u just shot with the shoot gun... but these 'lectronic foxes... oh my cajun mama so shamed she turn off the stove and padlocked the thing... guess dat sheaux me...

To you what kneaux how to got that fox, you got me respects...

joel, displaced cajun, in maine, suffering frum the cold and sneaux

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 30 Dec 1998 12:45:28 -0500
From: "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
To: QRP-L Discussion Group <QRP-L@LEHIGH.EDU>
Cc: "W.D. (Doc) Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [28398] WTB:OHR DD-1 display
Message-ID: <199812301248_MC2-64FA-CB5@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Gang:

In need of an OHR DD-1 display. Anyone have one for sale? Thanks in advance, and happy holidays one and all.

72/73,
--Doc Lindsey/K0EVZ
DSBF
P.O. Box 7187
Bismarck, ND 58507
E-Mail 70511.3041@compuserve.com

Date: Wed, 30 Dec 1998 10:48:24 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [28399] Re: Novelty QRPp Contest - AL7FS
Message-ID: <199812301748.KAA07716@usr07.primenet.com>

Howdy All,

Jim (AL7FS) wrote:
>
> Even there it took 5-8 tries. WE6W, W5VBO and NQ7RP were the three
> beacons for me tonight. I never could get heard by NQ7RP.

ARGH! I heard you in there, Jim, barely. I just couldn't
pull you out. :-(A few times I heard "AL..." and
"AL7..." and tried "QRZ AL7?", but I just couldn't
dig you out this time. Sorry 'bout that.

Glad W5VBO was able to put AZ in your log, but sorry you
missed a Club station multi. :-(Nuts, up 'til now I had
darn near a perfect record in pulling in your frozen RF.

Can I lobby for partial credit for you? :)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

---

Date: Wed, 30 Dec 1998 10:43:24 -0700
From: Brian Kassel <bkassel@dancris.com>
To: QRP-L <QRP-L@lehigh.edu>
Subject: [28400] Novelty QRP Contest - W5VBO - Night 2
Message-ID: <368A663C.8AF167D9@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Gangue:

  Well, we can all agree that night 2 certainly saw a lot
more activity than night 1. Wow, sounded like SS at times!
Locally I had a lot of difficulty with a digital station
that was very strong. Either his TR switch went bad, or
he was forwarding all of the printed material known to
civilization since the signing of the Magna Charter!
QSB was pretty rough too. Of course every minute was

still lot's of fun. I worked the following 21 stations:

VE6EWM AB
W4VCT KY (second time)
K1OJ   TX
AC6AN CA
KC5T   TX
KB9IOT NE
KA5T   TX
K5ZTY TX
WQ8RP MI
K5JHP TX
K6RPN CA
N3EPA PA
N6MM   CA
K0EVZ ND
WQ6RP CA
NQ7RP AZ (second time)
AL7FS AK Yep, and I was on my 20' high 80m full wave horizontal loop
too!
AC6UV CA
N6WG   CA
W5YA   NM
N4ROA VA

Not many novelty rigs though, most were commercial or kits.

Most signals were pretty rough copy, as I'm sure that I was as well.

In switching between my HF-2 vertical and the loop described above
I could fill in many exchanges that would disappear at times.
Of course the 80M cloud warmer described above was great with
the CA stations - many were almost too strong to believe.

The use of a horizontal as well as vertical antenna really helps
with the polarization rotation that occurs continuously.

Rig: Same as last night. BTW, I also use a Timewave 59+ DSP RX filter,
along with
an NIR-10. Lot's of RX options.

Between switching the antennas and the DSP units, I had lot's of
hands and elbows in the air simultaneously!

Tonight is the last night, so warm up those peanut whistles!
Give a listen for AL7FS too.

Thanks again to all who made this event possible, and to the operators

who are (IMHO) the best!

Brian W5VBO
AZ ScQRPions

Date: Wed, 30 Dec 1998 13:00:38 -0500 (EST)
From: George Gingell <k3tks@u1.abs.net>
To: QRP List <qrp-l@Lehigh.EDU>
Subject: [28401] Re; Zinc Air Batteries
Message-ID: <Pine.BSI.3.96.981230113407.5367A-100000@u1.abs.net>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I also use Zinc Air Batteries in my hearing aids. I have found that the DURACELL Brand (DA312) (1.4 Volt) actually do last a bit longer than other brands.

DA312HB replaces Zinc Air:

312HPX,AC312E,AC312,L312ZA,312A,312AE,R3212ZA,B347PA,ME7Z.

DURACELL,INC. Berkshire Corporate Park Bethel, CT 06801
Customer Service: 1-800-551-2355

The AVERAGE life seems to be 9 Days for the DA312 Cell. This is continuous duty during the day and turned off for about 8 hours at night.

I use STARKEY INTRA IV Brand Inner ear Hearing Aids.

The following information was obtained from the spec. sheet:

Battery Simulator: Voltage 1.25 Volts, Impedence 2.5 Ohms, Current 0.93 mA.

"Est. battery life in 16 hour days with a 312 Zinc Air; 6-7 days."

As I stated earlier, I found a variance with different Brands of the 312 Size batteries. I can't locate my data records, but I did study this for about a year or so. I generally use Duracell Brand DA312 or Radio Shack as a second choice. I also try to keep an eye out for "Sales" at the Drug Store or Radio Shack and buy a 3-6 months supply when on sale.

A big savings over the course of a year since they sell for around $5.00 for a package of 4 cells.

Most cells seem to be around 0.5 to 0.8 Volts when expended. Hearing aid ceases to function.

I have also been saving the spent cells with the intent of powering my "SMite" and "FireBall Beacons" with them. The cell is .305" in Diameter and .137" in thickness. Sorry, they won't fit in a soda straw. I am now planning to Drill out some Plastic Rod (21/64" bit will work) and make a special battery holder. My design can be easily made with a few simple tools, a plastic rod, some solder lugs, springs and setscrews.
Brass adapter plugs can be easily made to allow for different battery arrangements. (Ie. use 10 new cells for a 14 Volt Battery Pack)

  I will send a sketch to QRP Quarterly Idea Exchange when I get a chance to put it on paper. I am planning on 12 cells at .5 V each for a 6V Battery. Make 2 for HI power :^)

No financial interest in the above mentioned products. Hope this is useful information for some of you.

Happy Holidays to all..

Sir George, The First :^)

72 ES
QRP DX TU (C) 1986, G. "Danny" Gingell, K3TKS@ abs.net
QRP A.R.C.I. Net Manager and Board of Director Member.
Gingell & Company, Ltd. Small Business Telephone Systems
Notary Public & Registered Locksmith
George D. Gingell, Jr. 3052 Fairland Road, Silver Spring, MD 20904-7117
Maryland Milliwatt Club QRP Reference Library, (301)572-6789
Maryland Milliwatt Club Founder and Trustee of Club Station - WQ3RP -
Grid Square FM19mb 76.94 W - 39.06 N Silver Spring, MD 20904 QRPea.A.

Date: Wed, 30 Dec 1998 13:07:56 EST
From: KF4EIB@aol.com
To: qrp-l@Lehigh.EDU
Subject: [28402] MFJ 418 Morse Tutor (Article by Chuck Adams)
Message-ID: <430d8f71.368a6bfc@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Greetings Gang,

Does anyone have a copy or know where I can obtain a copy of the MFJ - 418 Morse Tutor article by Chuck Adams K5FO?
Seems he wrote a glowing report on this unit, not sure how long ago though.
Guess what Santa brought me? Hi Hi
Thanks for your help and time.
May all your New Year Wishes come true.

73,
Gordon kf4eib

Date: Wed, 30 Dec 1998 10:11:00 -0800 (PST)
From: Ron Stark <ku7y@dri.edu>
To: Joe Gervais <vole@primenet.com>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [28403] Re: Novelty QRPp Contest - AL7FS
Message-ID: <Pine.SOL.3.96.981230100742.21111B-100000@vortex.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Hi Joe,

You did good with my little sig last night..... I haven't
been playing in this one because it's more for the little
home brew rigs.

But I just had to say HI to you, stranger!

So, just to make it interesting, I turned the power all
the way off on the front panel of the 1000 MP. This gave
me an output of just under 35 mW, as measured with the
Oak Hills meter. (OH-1? can't remember the name of it!)

Anyway, you had to turn on the ESP head filters but you
got it!

Good job. You were a solid S8 here in NV.

cul,

73, Ron,   SOWP 5545M,

.........KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu...........Washoe Lake, Nevada....
....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Wed, 30 Dec 1998 11:22:09 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: qrp-l@Lehigh.EDU
Subject: [28404] Novelty QRPp Contest, Day 2 - NQ7RP
Message-ID: <199812301822.LAA10925@usr07.primenet.com>

Howdy All,

Well I finally got back on the air, this time using the AZ ScQRPions' club call NQ7RP. Fired up the ol' Sierra on 40m and immediately thought "oh no!". Either I'd lost my "CW Ear", condx were really rough, or both. :) Sure was great to work everyone though, especially the 49-ers and other peanut whistles out there.

QRN, QRM, QSB, weak sigs - my QTH was cursed. Managed to work fellow Team Apathy Hunter Randy (K7TQ) right off the bat. Couldn't figure out why he was asking me about a fig though. Had I lost another one of our weird bets and forgotten to pay up? Turns out be was trying to get a fill on my RIG. Oh! Good thing, 'cuz I had no idea where I was going to get a fig for him. :)

Worked a string of old and new friends right after, then started calling CQ again.

Hat trick of the night was K3PG in MD. He was so far down in the mud we hit bedrock. I'd just finished sending "SRI OM" when he popped up to a solid 559 for a brief exchange. Wahoo!

Ron (KU7Y) was next in line for Murkiest QSO of the Night Award. Ron, how much power were you running? Microwatts? :-) Had ESP-level copy, and I'm a terrible mentalist. ;-)

So after an hour of straining to hear the faintest wasp-whisper sigs, RF and AF gain cranked up, brow furrowed, along comes ScQRPion Brian (W5VBO) answering my CQ and pegging my Guess-meter. OUCH! Man, 5W groundwave from 3 miles away nearly ruptured my eardrums! :)

Thanks very much for all who hung in there with me, and apologies to those I just couldn't pull out. Tried my best 'cuz I knew the club station was worth some points for ya. Well, I would've tried my best regardless. I just feel guiltier about it now....

Lots of fun though. 16 QSOs total for the night. ScQRPion Dan (N7VE) is running as NQ7RP tonight. Hound him to the ends of the ionosphere. :) Hope to be out there as AB7TT tonight. Maybe my ears will improve. ;-)

Here's the log:

NQ7RP Novelty QRPp Contest Log - UTC 12/30/98

Station: NQ7RP
Op: AB7TT
Band: 40m
Rig: Sierra @ 5W
Ant: HB Vertical

1)	K7TQ	449/449	ID	WR	Randy
2)	KD7S	559/449	CA	49	Bill
3)	VE6EWM	439/449	AB	GM	Earl
4)	AC6AN	559/559	CA	CND5W	Ori
5)	K6RPN	569/569	CA	YU	Doug
6)	WA7JHQ	559/579	CA	OHR100A	Sterling
7)	K3PG	559/559	MD	IC	Paul
8)	AC6UV	559/559	CA	SA	Gody
9)	W5VBO	599/599	AZ	TT	Brian
10)	KJ5TF	559/559	AR	49	Jim
11)	KU7Y	559/339	NV	YA	Ron
12)	WQ6RP	599/559	CA	KW5	Paul
13)	N6MM	599/599	CA	NC	Harvey
14)	WB0T	559/539	IA	TT	Jerry
15)	N5JKY	559/339	OK	49	Mike
16)	N6WG	579/579	CA	KW	Bob

END LOG

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"If it ain't fun, you ain't doin' it right!" -The AZ ScQRPions

---

Date: Wed, 30 Dec 1998 11:36:11 -0700 (MST)
From: Joe Gervais <vole@primenet.com>
To: ku7y@dri.edu (Ron Stark)
Cc: qrp-l@Lehigh.EDU
Subject: [28405] Re: Novelty QRPp Contest - AL7FS
Message-ID: <199812301836.LAA11901@usr07.primenet.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Howdy Ron (and Folks),

> But I just had to say HI to you, stranger!
>
> So, just to make it interesting, I turned the power all
> the way off on the front panel of the 1000 MP. This gave
> me an output of just under 35 mW, as measured with the
> Oak Hills meter. (OH-1? can't remember the name of it!)

ROTFL! Man, talk about breaking a guy in! Figured
you were up to something. ;-) How many miles per
watt does that work out to? 35mW, Washoe Lake NV to
Peoria AZ?

Think I'd like to get this commemorated with an ARCI
1000 Miles/Watt Award on my wall!

OK, so were condx REALLY that mushy last night, or
was everyone else screwing with me too? ;-) *8-)

Cheers de AB7TT,

-Joe, vole@primenet.com, AZ ScQRPions (Phoenix)

"It's hard to be unhappy when you have warm feet."
                      - Dave, Fellow Snow Camper

Date: Wed, 30 Dec 1998 09:35:57 -0900
From: Jim Larsen AL7FS <larsennc@alaska.net>

To: ku7y@dri.edu, "qrp-l@lehigh.edu" <qrp-l@lehigh.edu>
Subject: [28406] Re: Novelty QRPp Contest - KU7Y at 35 mw
Message-ID: <368A728C.106C0947@alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

<Ron, I just have to brag on you.>

35 mw!!!!!!!! I am shocked. I could have worked you...and on 40 mtrs...who would have thunk it. I am just using an inverted V at 38 feet and 5 watts.

Maybe tonight. But I am staying at 5 watts on the WM-2. It is my security blanket when I know what kind of noise and QRM everyone has. Call me a QRP Chicken. :-)

73, Jim (not Joe...<snicker>)

Ron Stark wrote: (edited to shorten it)

> Hi Joe,
>
> You did good with my little sig last night.....

> So, just to make it interesting, I turned the power all
> the way off on the front panel of the 1000 MP. This gave
> me an output of just under 35 mW, as measured with the
> Oak Hills meter.....

> Anyway, you had to turn on the ESP head filters but you
> got it!
> 73, Ron,   SOWP 5545M,
>
> ....KU7Y.....--

73, Jim Larsen, AL7FS -- Anchorage, Alaska
QRP-L #114, QRP-Z #020, AK QRP #003, NW QRP #009
(BP51cc)@61.1009636 North 149.8237915 West(approximately)
mailto:al7fs@qsl.net   ICQ 11022915 http://www.mirabilis.com/

Date: Wed, 30 Dec 1998 10:31:22 -0800 (PST)
From: =?ISO-8859-1?Q?"KB=D8VCC"?= <kb0vcc@rocketmail.com>

To: qrp-l@Lehigh.EDU
Subject: [28407] Re: Operate RTTY with your Sierra
Message-ID: <19981230183122.1623.rocketmail@attach1.rocketmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii

kd7s@psnw.com wrote:
>John Kirby, N3AAZ, has devised a way to combime HamComm software, a
>homebrew interface and his NorCal Sierra to operate QRP RTTY.

Now THAT'S cool! I have been thinking about experimenting
with FSK using my OHR-100, shifting the bias on the varactor
diodes, like (what I suspect) N3AAZ is doing with the Sierra.
Who knows, maybe later generations of these rigs will have
an FSK port as an option! You listening Dick?

I'm writing some basic (read, functionally LIMITED)
software for my HP Palmtop PC to work with a hamcomm
interface. The thought of back-woods mountain-top RTTY
with a just few pounds of gear is too cool to pass up.

Thanks for the post, Bill!

72/73 es Happy New Year everyone!
-Dale

==
 Dale Anderson   In the Mt Washington Valley
 KB0VCC   Conway, New Hampshire
 QRP-L #91 / CQC #251   Grid Sq: FN43KX
 ARS #234 / FISTS #3172   http://www.qsl.net/kb0vcc
==

____
DO YOU YAHOO!?
Get your free @yahoo.com address at http://mail.yahoo.com

Date: Wed, 30 Dec 1998 14:09:41 -0500
From: "Jim Marciniak" <n1rui@together.net>
To: <qrp-l@lehigh.edu>
Subject: [28408] Re: Aluminum primer?
Message-ID: <017a01be3427$f6b0bfa0$411efea9@n1rui>

MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Try SCOTCHBRITE pads on aluminum - not only non-metalic, but the pads tend
to catch and trap the particles of corrosion, thus helping to wind up with a
nice, clean, conductive surface.

72,

Jim N1RUI

>
>On Wed, 30 Dec 1998 08:37:51 -0600 kkanalz@optelinc.com writes:
>>
>>If you're painting aluminum that has a high-gloss
>>finish to the metal, I'd recommend "roughing it up"
>>a tiny bit with some very, very fine steel wool or
>>emery paper, so the primer (and finish) coats will
>>have something to "hold on to".
>
>Steel wool is not recommended for use on aluminum. Small pieces can
>become embedded in the aluminum and cause corrosion and pitting over
>time. Aluminum wool or non-metallic abrasives are preferred in this
>situation. Check with an aircraft mechanic for local sources for aluminum
>wool.
>
>Don K8AQZ
>Grand Rapids, MI

Date: Wed, 30 Dec 1998 14:14:17 EST
From: n4so@juno.com (charles k brown)
To: qrp-l@lehigh.edu
Subject: [28409] 28 Mhz beacons
Message-ID: <19981230.191321.4399.3.n4so@juno.com>

NQ2RP/B 28.287 .125W Not the first time to hear,
but always a pleasure to copy 125mw- Signal reports to
nq2rp@juno.com
N2JNT/BCN 28.285 1 watt to groundplane Troy NY
W8BEP/beacon 28.270 en76 Northern Michigan

*****
Note: A small percentage of beacon stns have E-mail addresses for Signal
Reports, such as:
AB8Z - ab8z@hotmail.com
W6TOD - w6tod@yahoo.com
K6LLL - tbrunner@uci.edu
VA3SBB - flesnick@baytel.net

Source: QRZ.com callsign database/and the ZS5S 28 Mhz
beacon list that I use and update.

Ken
N4SO@juno.com
Mobile, AL

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 30 Dec 1998 14:35:31 EST
From: kq0i@juno.com (Mark R Milburn)
To: qrp-l@lehigh.edu
Subject: [28410] Novelty QRPp Contest
Message-ID: <19981230.193355.4999.3.KQ0I@juno.com>

Well, we didn't get our vanity call in time for the contest, and our
present call wouldn't make you think it was a club call, so before you
send in your entry in the contest.....check your log and if you had a
contact with KC0ENC, mark it as the call of the Iowa QRP Club and take
your bonus points for a club call.

One more night to go...hope to work many more of you tonight. It hasn't
been very productive so far...one contact the first night, and only 5
last night. Tried 7.122 off and on, and didn't hear anybody up there.

Not too bad,though...ran across W8RO in all the confusion last night and
picked up another FOX. heh heh heh.

72/73, Mark, KQ0I   Des Moines, Iowa   EN31
Packet: kq0i@w0ak.#cia.ia.usa.na
e-mail: kq0i@juno.com

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 30 Dec 1998 13:23:43 -0700
From: W6RCecilA <w6rca@ibm.net>
To: qrp-l@lehigh.edu
Subject: [28411] Re: Elmer101 mystery of reflected power con't...
Message-ID: <368A8BCF.4991@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=iso-8859-1
Content-Transfer-Encoding: 8bit
Content-Transfer-Encoding: 8bit

>Terry,   KA9TXE
>Date: Tue, 29 Dec 1998 16:38:51 -0600
>From: "Terry Bassett" <mutabut@net66.com>
>To: <Qrp-l@Lehigh.EDU>
>Subject: [28323] Elmer101 mystery of reflected power con't...

Hi Terry, I didn't see the responses to your posting so just
have a few comments. Contrary to what Kurt Sterba said in a
recent column, SWR is not the ratio of forward power to
reflected power. Here's the formula that I use for SWR
given forward power and reflected power are known. Take the
square root of both forward power and reflected power. Then
SWR is equal to the sum of those two quantities divided by
the difference between those two quantities. Trying to do
the formula in ASCII results in:

SWR = (SQR(P+) + SQR(P-))/(SQR(P+) - SQR(P-))

Where P+ is the forward power and P- is the reflected power
and SQR(P+) means the square root of the forward power.

For instance, if P+ = 100w and P- equals 25w,
SWR = (10+5)/(10-5) = 3:1.

When we have a properly tuned antenna tuner between the
transmitter and the antenna, we create what is called a
Z -match which completely re-reflects all of the reflected
power back toward the antenna, thus blocking it from
reaching the transmitter final amp, and we have an SWR=1:1
between the transmitter and the antenna tuner.

However, if we do not have a tuner in the circuit and we
have reflected power, it reaches the final amp. The design
of the final amp causes what happens next. Most commercial
final amps fold-back their power output to protect themselves
from reflected energy. Most QRP rigs do not. A transmitter
with the same output impedance as the transmission line, e.g.
50 ohms resistive, will absorb all the reflected energy. A
transmitter with an output impedance not equal to 50 ohms
will re-reflect some of the reflected energy. A transmitter
with an output impedance approaching zero or infinity ohms
will re-reflect most of the reflected energy.

Depending on phasing, reflected energy flowing through the
final amp will either increase the current or increase the
voltage. An increase in current will cause higher dissipation
in the final amp. An increase in voltage *can* (not will) blow
the final amp.

Moral is: Use an antenna tuner if possible.
--
73, Cecil, W6RCA http://people.delphi.com/CecilMoore

Date: Wed, 30 Dec 1998 15:37:26 -0500
From: "W. D. (Doc) Lindsey" <70511.3041@compuserve.com>
To: "INTERNET:we6w@juno.com" <we6w@juno.com>
Cc: QRP-L Discussion Group <QRP-L@LEHIGH.EDU>, "W.D. (Doc) Lindsey/K0EVZ"
<70511.3041@compuserve.com>
Subject: [28412] First QSO.
Message-ID: <199812301540_MC2-6517-72CC@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline
Content-Transfer-Encoding: 7bit

Ed:

Many good hints here for "elmering" the first-timers. Thanks for posting
them. I can only *faintly* remember my first QSO....because I go back
before they invented hydrogen <G>.

May I add one thing which might be useful. When I work someone I give the
exchange in the same exact *order* the other op sends. For example, if
he/she sends NAME + RST + QTH....I go back in the exact same order. ETC.
This seems to help communication, including especially with some DX guys.

My thinking = this is the order they send, means this is the order they may expect to receive.

Just my $.02 worth :-).

72/73,
--Doc Lindsey/K0EVZ
  DSBF
  P.O. Box 7187
  Bismarck, ND 58507
  E-Mail 70511.3041@compuserve.com

Date: Wed, 30 Dec 1998 14:41:24 -0600
From: "George T. Baker" <w5yr@swbell.net>
To: we6w@juno.com
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [28413] Re: First QSO.
Message-ID: <368A8FF4.BDFBABC2@swbell.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Ed, there is only one other "first time" that can compare!

72/73, George
Amateur Radio W5YR, in the 53rd year and it just keeps getting better!
AutoPOWER Systems, Fairview, TX (30 mi NE Dallas) Collin County
QRP-L QRP-ARCI FISTS NORCAL ZOMBIE #522 ARS 10-X 33.2 N 96.6 W EM13RE

Date: Wed, 30 Dec 1998 15:52:34 -0500
From: w2xn@juno.com (Fred J Kalt)
To: qrp-l@lehigh.edu
Subject: [28414] First QSO
Message-ID: <19981230.155235.-824939.5.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,

Does anyone know of ARRL still supplies the certificate for "1st QSO".
I got one back in 1981 when I made my first QSO and I treasure it.

Fred W2XN
Lakeland, FL
W5YI-VE   Skywarn #POL-007   Polk County ARES Net Manager   AR QRP #233   QRP-L #1728
My Web Page:
http://www.geocities.com/ResearchTriangle/Thinktank/5344/

Date: Wed, 30 Dec 1998 15:54:53 -0500
From: w2xn@juno.com (Fred J Kalt)
To: qrp-l@lehigh.edu
Subject: [28415] Antenna Instruction Book
Message-ID: <19981230.155453.-824939.6.w2xn@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hi Gang,

I have a question on Hustler antenna. Does Hustler have a site on the web where you can review, download, or print the instruction book for their antenna's ?   I am looking for the web version of   the 4-BTV.

I don't suggest putting in www.hustler.com unless you like "nasty" pictures.

Fred W2XN
Lakeland, FL
W5YI-VE   Skywarn #POL-007   Polk County ARES Net Manager   AR QRP #233   QRP-L #1728
My Web Page:
http://www.geocities.com/ResearchTriangle/Thinktank/5344/

Date: Wed, 30 Dec 1998 16:03:51 -0500
From: "Mitch Dickson" <mitch@volstate.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [28416] Re: Elmer101 mystery of reflected power con't...
Message-ID: <004e01be3437$e830a3e0$21338cd1@default>

MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Terry, I use to worry about SWR almost as much as a Hell's Angel worries about bad breath :) If it was below about 10 to 1, that was OK by me. But those old tube rigs like the Drake and the Tempo were a lot more forgiving than transistors. It can be done, but it is hard to beep a set of 6JS6C's away. If you are using one of Dave's SW-XX kits, I believe you will find a Zeener big enough to bleed most of it off in time to save your final. I would fine a tuner or better yet work on getting a more resonant antenna. A tuner is fine for fooling the transmitter into behaving as it thinks it is looking at a matched load, but the antenna hasn't been informed :) It will not transmit any better as it is off resonance. Get the antenna to resonance and you will notice a marked difference in your receive as well as the signal reports you get back. CU Mitch

---

Date: Wed, 30 Dec 1998 13:16:00 -0800 (PST)
From: Ron Stark <ku7y@dri.edu>
To: "George T. Baker" <w5yr@swbell.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [28417] Re: First QSO.
Message-ID: <Pine.SOL.3.96.981230131401.24179A-100000@vortex.dri.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Wed, 30 Dec 1998, George T. Baker wrote:

> Ed, there is only one other "first time" that can compare!

Ah George,

How right you are..... I'll never forget the first time
I "got on" ..... felt all that quivering and shaking....
Wow, that was back in about 54' and I still love motorcycles!

:-)

73, Ron,   SOWP 5545M,

.........KU7Y.....ARCI #8829.....Monte "Ron" Stark.....
....ku7y@sage.dri.edu...........Washoe Lake, Nevada....

....QRP-L #17...ARS #49...NorCal #330.....NRA LIFE.....

Date: Wed, 30 Dec 1998 16:31:48 -0500
From: "Ron Polityka" <wb3aal@talon.net>
To: "QRP-L" <qrp-l@lehigh.edu>
Subject: [28418] QSO with AL7FS
Message-ID: <007a01be343c$4ead1280$125445c6@programs>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="iso-8859-1"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Just talked to Jim, AL7FS on 28.060

73 & Good DX,
Ron de WB3AAL   wb3aal@talon.net

 vvv Eastern Pennsylvania QRP Web Page vvv
http://www.kpsnet.com/wb3aal/Start_Page.htm
           Eastern Pennsylvania QRP #1
 Eastern Pennsylvania QRP Club Call --> N3EPA

Date: Wed, 30 Dec 1998 16:34:43 -0500
From: "AUGUSTO YIPMANTIN " <lito@rpp.com.pe>
To: qrp-l@Lehigh.EDU
Subject: [28419] MIZUHO QRP Handy
Message-ID: <s68a5641.080@rppsmtp.rpp.com.pe>
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: quoted-printable
Content-Disposition: inline
Content-Transfer-Encoding: quoted-printable

** Proprietary **

Dear QRPeer=27s

Congratullations to all, after one day in the group, my mail box has a =
lost of very interesting comments about QRP.

I have an 40Mts. Band, 5 watt output handy transceiver (SSB and CW) from =

Mizuho Co., and I will appreciate very much if anyone can tell me the =
address of MIZUHO Co. in Japan or any Dealer un the USA=20

with many thank=27s in advance and wishing all Happy New Year,

73 de Augusto, OA4CVT

Date: Wed, 30 Dec 1998 13:36:50 -0800
From: "Frank Grigaliunas" <fgrig@iea.com>
To: <w5yr@swbell.net>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [28420] Re: First QSO.
Message-ID: <199812302137.NAA24834@comtch.iea.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

George T. Baker <w5yr@swbell.net> wrote:

> Ed, there is only one other "first time" that can compare!

I'd say; I was 16-1/2 years old and kept hoping that I looked old enough
that they wouldn't card me. But everything went well, and they brought me
a tall foamy Stroh's. The only thing I remember more than that night is
the next morning--ugh!

(Is this the kind of thread Chuck won't like because it'll go down hill
fast?)

--Frank, AB7YT

       Frank and Karen Grigaliunas, W. 1816 Dean, Spokane, WA 99201
   fgrig@iea.com -=*=- (509) 326-7147 -=*=- http://www.iea.com/~fgrig/
  "I'm streaming on a white Christmas, writing my name out in the snow."

Date: Wed, 30 Dec 1998 16:46:41 EST
From: Bensondj@aol.com
To: qrp-l@lehigh.edu
Subject: [28421] RIT Kit- Ready to Roll
Message-ID: <180c953e.368a9f41@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII

Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

gang-

   Thanks for your patience. The SW+ series RIT mod kit
 is finally ready, and I've begun shipping to 'early bird'
customers as of today.   I've been working with Walt
Thomas, K3ASW, on this project and he's done a great
 job with the instructions. We were delayed a little by
 Walt's recent move, but that's the sort of thing that has
 to come first!

   This kit is intended as a front-panel add-on to the SW+
 series of rigs, and provides +/- 1.5 khz of RIT range. The
 RIT pot and On/Off switch are integrally-mounted to a
double sided/masked board measuring only 1.0" x 1.4".

  All high-quality components are provided, including a
 machined .125"-shaft knob.   The instructions also include
a paper template so there's no guesswork as to the two front-
panel hole locations . This kit uses a slightly modified version
 of the quad CMOS-switch RIT I'd offered some time ago, and
should be usable with varicap-tuned rigs other than the SW+
series.

   I'll get pictures up on my website as soon as they're available.
These kits are $18 postpaid to the US/Canada and $20 elsewhere.

Best wishes to all for a Happy New Year!

Thanks & 73-

  Dave Benson, NN1G
  Small Wonder Labs
  80 East Robbins Ave.
  Newington, CT   06111

Date: Wed, 30 Dec 1998 17:07:54 -0500
From: Sam Billingsley <SBillingsley@usaninc.com>
To: mutabut@net66.com, Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [28422] RE: Elmer101 mystery of reflected power con't...
Message-ID: <21E06269B00ED111BE9B00805F6D0FA35770A3@MAILSERVER1>

MIME-Version: 1.0
Content-Type: text/plain

Terry,

The antenna may not be the problem since the TenTec seems to do OK with it.

One possibility is that the SW40+, for some reason, is putting out RF on other than the expected frequency. That would explain why the TenTec works with the antenna. Since the resistor load is non-inductive it doesn't care about the output frequency hence the SWR looks OK.

Test Procedure:

Setup with the dummy load. Use another receiver and check for the 2x and 3x harmonics first by keying the xmtr and looking at the S-meter levels. Each harmonic should be increasingly lower in amplitudethan the fundermental frequencyYou may have to run the external receiver without any antenna or ground the input to provent overload. If you can keep the primary frequency level in the rcvr to around S9 or less then the harmonics should be lower than S5-6. Regardless they should be much less than the primary frequncy. If that fails to show anything significant and you have a scope then look the keyed RF output across the resistor load is seen if its clean (single sine wave that doesn't look distorted). If you don't have a scope use a general coverage receiver and manually tune through the HF spectrum while keying looking for an unwanted oscillation. They are sometimes hard to find without test equipment and they could be in the VHF or UHF range. If all tests look good with the dummy load then retest with the GAP while observing. Make these tests as short as possible since you will be radiating something.

Don't forget to check your power supply for good clean stable DC voltage. See if you can spot any differences in the voltage between key up and key down. Big changes would be suspect.

Sam Billingsley   AE4GX Atlanta, GA

> -----Original Message-----
> From: Terry Bassett [SMTP:mutabut@net66.com]
> Sent: Tuesday, December 29, 1998 5:39 PM
> To: Low Power Amateur Radio Discussion
> Subject: Elmer101 mystery of reflected power con't...
>
> Hello All,
>
>   Many thanks for the responses and correction of my formula,etc.. I

> put
> a 50 Ohm non-inductive dummy on the output of the WM-2 and the SW40+
> showed
> 2 Watts out and just the slightest wiggle of reflected power. I then
> replaced the dummy load with the coax to the Gap and got about 7 watts out
> and 5 watts reflected. Shut it off A.S.A.P. and touched Q6...hot,hot,
> hot.
> End of experiment.
>   The only thing I can say at this point is that clearly the Gap is
> driving the SW40+ crazy.
>   I have a tuner and can make the radio play, which is what I'll do
> temporarily. This afternoon I constructed a 300 Ohm twinlead fed 80 meter
> dipole. Since the weather front is changing to pure nasty, tomorrow
> should
> be about right for messing around getting the antenna up into the trees.
>   I intend to see if a different antenna will get better results with
> the
> SW40+. I am still confounded as to why the Tentec handles it fine and the
> SW40+ reacts so poorly. Plus, the new antenna will give me a different
> polarization to hopefully make my station more versatile.
>
>   This problem has given me the impetus to review several chapters of
> the
> Handbook, do some thinking and do a little testing and building. Several
> ways to address a problem, only one path to choose...for something as
> invisible as RF, it sure presents a concrete problem at times.
>   I appreciate all who have given thoughts, suggestions, opinions and
> chapter references and formula advice.
>
> 72,
>
> Terry,   KA9TXE

Date: Wed, 30 Dec 1998 22:09:58 GMT
From: mwattcpa@earthlink.net (Marty Watt)
To: qrp-l@lehigh.edu
Subject: [28423] Re: FYBO: Winter Field Day Stocking Stuffer Ideas
Message-ID: <368aa313.64306738@mail.earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: quoted-printable
Content-Transfer-Encoding: quoted-printable

=46or those interested, the clocks with built in temp and day/date are =
available
to view on the web. They may be available for order via the web (there =

is an
"online store" link, although I didn't find any clocks). There is also =
an
option to "Find nearest store". Try the following URL and select the =
"clocks"
link. Allows one to better see what I'm describing ...

http://www.casio-usa.com/timepieces/
--
72 es 73 de Marty, KM7W
_____=
_____
Memphis, Tennessee   =
http://home.earthlink.net/~mwattcpa
 VE -- NorCal #2031 -- ARCI #7514 -- QRP-L #0953 -- AK/QRP #098 -- Grid =
EM55ce
CODE WARRIOR(c) #29 -- Mobile CW -- "Taking Code on the Road with a =
Vengeance"

Date: Wed, 30 Dec 1998 17:57:37 -0500
From: "Ed Tanton" <n4xy@mindspring.com>
To: "BoatAnchor Reflector" <boatanchors@theporch.com>
Cc: "WB4RUA John Boston" <bostonjh@nwga.com>, "WB4GNT Allen Bond" <mgs@avana.net>,
"WA6GYD Don" <WA6GYD@aol.com>, "W4UOC Tom Koch" <W4UOC@aol.com>,
     "W4RNL LB" <cebik@utk.edu>, "W4QO Jim Stafford" <w4qo@america.net>, "W4OCW"
<w4ocw@juno.com>, "Vintage Solid State List" <VSS@LISTSERV.TEMPE.GOV>,
Subject: [28424] FS: Millen 92200 KW Transmatch
Message-ID: <004d01be3447$cb4e47e0$01010101@n4xy>
MIME-Version: 1.0
Content-Type: text/plain;
     charset="Windows-1252"
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Hello All... I have a Millen 92200 KW Transmatch I would like to sell. It is
in excellent condition. No mods, or holes Millen didn't put there. Built in
SWR meter, mostly copper cabinet & chassis. When I bought it a couple of
years ago, I THOUGHT I would need more than 1 Transmatch-based on my plans
for several stations. Turns out, the one I have (a NYE MB-V-A) is enough.
Price: $225 plus shipping AND professional packing (S&H [CONUS] not to
exceed $35-I'll pay the rest-if any.) Thanks for the read. Season's
Greetings.

73

_____
Ed Tanton   N4XY   EMAIL: n4xy@mindspring.com

189 Pioneer Trail
Marietta, GA 30068-3466   TEL: (770)579-3933
____
INTERESTS: *CW (99.5%)   *QRP (QRP-L# 758)
*BoatAnchors   *Test Equipment   *Photography
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
"Think you can, think you can't:
  either way you're right!"   Henry Ford
~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~

Date: Wed, 30 Dec 1998 17:51:48 -0500
From: wb2vuo@juno.com (W. K. Hibbert)
To: qrp-l@Lehigh.EDU
Subject: [28425] Ten Meters is HOT!!!
Message-ID: <19981230.175151.-9113.0.wb2vuo@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Yep! it sure is, and open with about three propagation modes at once!

I heard E-Skip into the VA/NC/TN region, TE into SA and F2 openeings to
the Left Coast and AK/YT. AL7FS was holding court on 28.060 MHz for over
an hour while I was taking care of housekeeping chores over on the packet
BBS.

And BEACONS... A bunch of them. Here's the list I posted opno the PBBS:

---------------< reports.txt >-------------------------

Ten is HOPPING!!! Here's the list of what I heard from 2000 - 2100Z (3 -
4 PM)
today:

FREQ   CALL   NOTES

28.1750 VE3TEN   VIA BACKSCATTER, FSK I.D.
28.1925 LU2FFV   5 WATTS/GP ANT
28.1995 LU1FFH   CHIRPY, AS USUAL
28.2100 KC4DPC/B   NC/5 WATTS
28.2195 KB9DJA/B   5 WATTS, L-O-N-G- I.D. WITH LAT/LONG & CW PROMO
28.2215 W6TOD/B   GRID DM15 CA USA
28.2485 N7LT/B   GRID DN45 BOZEMAN,MT 5/0.5/0.05 WATT POWER LEVELS

28.2600 KA1NSV/4 BCN NOW IN VA, USED TO BE ON CAPE COD
28.2800 K5AB/B   7 WATTS FROM THE SOUTH OF TEXAS. VERY STRONG!
28.2865 N5AQM/B   I.D. ONLY, N O INFO
28.2873 NQ2RP/B   BROCKPORT, 125 mW out (+21 dBm)
28.2895 WJ5O/B   ALSO IN THE SOUTH OF TEXAS, ALSO STRONG!
28.2960 W3VD/B   GRID FM19 IN MD, VIA BACKSCATTER

In addition to these, the NCDXF beacons on 28.200 were in there, 5 of
them
ranging from LU-land to the Yukon territory, and the main beacon, 4U1ITU
on
the UN building in NYC was in there on backscatter. Give a listen,
better
yet, GET ON THE AIR ON TEN METERS!

73, Keith, WB2VUO at the keys of the NQ2RP club packet station
"My night light runs more power than my Rig!!!"

/EX

See you all on 10 either from my station, or from NQ2RP

72/73, Keith, WB2VUO, 100% QRP from the Great Bergen Swamp of WNY
My night light runs more power than my Rig!!!

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

Date: Wed, 30 Dec 1998 23:01:26 +0000
From: Arjen Raateland <Arjen.Raateland@vyh.fi>
To: mitch@volstate.net
Cc: QRP-L <QRP-L@lehigh.edu>
Subject: [28426] Re: Elmer101 mystery of reflected power con't...
Message-ID: <368AB0C6.7F66@vyh.fi>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit
Content-Transfer-Encoding: 7bit

Mitch Dickson wrote:
> tuner is fine for fooling the transmitter into behaving as it thinks it is
> looking at a matched load, but the antenna hasn't been informed :) It will
> not transmit any better as it is off resonance. Get the antenna to

> resonance and you will notice a marked difference in your receive as well as
> the signal reports you get back. CU Mitch

Hello Mitch,

What you say is not generally valid. Resonance of the antenna is not essential for antenna efficiency. Non-resonance may lead to high SWR on the feed line and this may cause high loss (in the case of coax), but consider this:

I use a 2 x 19,3 m doublet with open line feed matched ('tuned') at the TX end to the 50 Ohm design impedance of the TX with a balanced coupler. Of course, on most ham bands the 2 x 19,3 m is nowhere near resonance.

Aside: Even at resonance (somewhere in or near 80m) the antenna will be low impedance and not a good match for the 450 Ohm open line. So there is still a high SWR on the line even though the antenna is resonant.

However, it radiates well on all bands and (the feed line) has little loss.

What is important is to have high current points (nodes) in the antenna elements itself. That is where an antenna radiates most. At the ends of an element the current must be zero, and so you draw the wave form along the element starting at zero current from the end towards the feed point. At a quarter wave's distance from the end will be the first current node. This should preferably be on the antenna (and not in the feed line).

Only with (long/thin) coax feed lines is it necessary to have low SWR on the line to avoid high line losses. Antenna resonance may help to achieve this. Added bonus of having an antenna that is a good match to the (50 Ohm) feed line is avoiding an antenna tuner with it's associated losses and/or bulk (if operating portable).

73, Arjen, OH2ZAZ
--
Arjen Raateland
SAS Support
Finnish Environment Institute, Helsinki

AX.25: OH2ZAZ@OH2RBI.FIN.EU

Date: Wed, 30 Dec 1998 18:17:15 -0500
From: Bruce Muscolino <w6toy@erols.com>

To: QRP-L@Lehigh.edu
Subject: [28427] Norcal Paddle Kit
Message-ID: <368AB47B.5018@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Those of you who want an original Norcal Paddle Kit, there is one currently on ebay at auction. The current price is 20.00. I am not in any way associated with ebay or the seller. Just an interested bystander! Search under "Norcal".

73

Bruce

Date: Wed, 30 Dec 1998 18:29:49 -0500
From: ntan <ntan@crosslink.net>
To: QRP-L <qrp-l@lehigh.EDU>
Subject: [28428] re:40-40
Message-ID: <368AB769.57CF4BB9@crosslink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
Content-Transfer-Encoding: 7bit

Greetings-
I found the problem with my 40-40, and it was a poor ground connection. I received about 4 replies and tnx to you! Happy New Year & Keep it Low-
72- Neil WA4CHQrp

Date: Wed, 30 Dec 1998 17:31:21 -0600
From: "Todd Foster, KD5FUF" <tef96a@timon.acu.edu>
To: qrp-l@lehigh.edu
Subject: [28429] Aligning a shortwave radio via the Internet
Message-ID: <3.0.3.32.19981230173121.0098bb50@timon.acu.edu>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

QRP'ers,

You may remember a post a few weeks ago where I (very briefly) described how I aligned my Elmer101 without any other test equipment or another Ham with a receiver. Bascially, I took it to Radio Shack and "tested out" one of their receivers. They let me do it, but seemed a little confused; I'm not sure how many times it could be done in a particular store. Also, the dinky little receiver they let me use didn't have a BFO, so I was going by the "Tuned" LED brightness.

After that posting, I received several e-mails, some congratulating me on inventiveness and one person offering to tune my radio for me if I cared to mail it to them. That offer was extremely kind, but I couldn't bear to be radio-less again after having been so for so long! (cue the dramatic lighting)

I found another, even more useful tool for finding out precisely what frequency I'm on, so I decided to share it, in case any other brand-new hams like me are out there wondering what to do. Before too long, I'll probably order a FreqMite from Small Wonder Labs anyway, but in the mean-time, this is a workable solution. Once again, the surprisingly accurate maxim proves true: "You can find it on the Internet!"

Following links through several ham pages, somebody had a link to <http://www.chilton.com/scripts/radio/R8-receiver>. This page gives one tuning control of a receiver in Reston, VA and allows one to download audio output from that receiver. Wow! I've had the most success by finding loud signals on my SW-40, guessing where that signal was (from my earlier, rudimentary tuning), and then looking (listening) around for the same signal on the web-receiver. Take a pencil, and mark the found frequency on a carefully trimmed floppy disk label I pasted behind the tuning dial. Granted, this method's a little slow as I wait for audio clips to download on my 14.4K modem, but it works pretty well if you can make reasonable guesses.

My original idea was to transmit myself and listen to receive my own transmission in VA. No dice there, though. So it looks like this web-site will also be useful for testing propogation from Abilene, TX to Virginia. :-)

Here's hoping this idea's helpful to someone! Thanks, by the way, to several who've offered and attempted skeds with me. No luck yet, and now that school is going to have me tied hand & key for a couple weeks, I won't have much time to try in the real near future. But I'll be getting back to you!

--Todd, KD5FUF

Date: Wed, 30 Dec 1998 18:51:57 EST

From: we6w@juno.com (Ed Loranger)
To: qrp-l@lehigh.edu
Subject: [28430] Pixie2 HOMERUN! Pixie users must read!
Message-ID: <19981230.155132.6935.5.we6w@juno.com>

Gang, I got 3 bases and the plate. Yup, a home
run!

This pixie2 used to have NO BCI, no problem! So
why has it recently been a pain in the neck!????
Local BCI, Music, BBC, World news, Jazz, Religious
broadcasting... All at the same time. CW too.

I had all that cured 9 months ago! Why is it
back?

Well, I have not been idle. First I located
any spots on the rig that would be susceptable
to a detected signal. Then I started looking
for xtal solder joints. None found. Then I
checked all the external wiring and still
nothing. Then I ran a ground wire to REAL
ground. Then I added a second ground wire of
different length to be certain. No improvement.

Ok. Where is the AM BC Signals being detected?

Let's see. We get ANY strong signal detected. So
it must be unrelated to the oscillator. Has to
be a dis-similar metal diode problem.

I FOUND IT! Ends up being that the coaxial power
plug center pin isn't fitting quite snug in the
plug as it used to.

A quick twist of the mini screwdriver and it is
tight again. Tweak the PI network inductor,
and Voila', NO BCI, just clean code in the
background!

NO EXCUSES From me tonight! If I hear you,
you've got a 'Q'.

That'll be 7040 or 7039.3 KHz. 40 meters only.

YeeeHaw! I'm looking forward to a big night
in the QRPp novelty contest final hours.

72 to all. Ed we6w
72, Ed WE6W QRP-Z#106 http://www.qsl.net/we6w
Enjoying Ham Radio every day! Santa Rosa, CA.

_____
You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at http://www.juno.com/getjuno.html
or call Juno at (800) 654-JUNO [654-5866]

End of QRP-L Digest 1321
****